

Special Invited Section Presenters' Profile

1-SIS-A: Climate Data: Use & Management

Monday, August 10 10:30-11:45 a.m.

Moderator: Rob Montgomery, Society of Actuaries Consultant



Biography: Rob Montgomery ASA, MAAA, is an independent contractor currently doing work for the Society of Actuaries (SOA) General Insurance and Climate and Environmental Sustainability Research Committees, as well as assisting the SOA with ramping-up the Catastrophe and Climate Strategic Research Program. Prior to this, Rob worked for 30 years in the Insurance and Reinsurance industries in various actuarial roles primarily related to Life & Health, modeling, and asset liability management. Rob is a graduate of The College of Wooster with a degree in Mathematics, an elected local government official, and former board-member of various community organizations.



Patrick Wiese, Society of Actuaries

Biography: Patrick is an actuary in the Society of Actuaries' (SOA) research department, where he builds models and data tabulation tools covering a diverse range of areas including retirement security, climate change analysis, mortality improvement, and, in recent months, analysis of COVID-19 data. Patrick is a member of the research team that developed the Actuaries Climate Index (ACI), which is an online tool for monitoring the frequency of extreme weather events in North America. In addition, Patrick is a co-author of the SOA's "Actuarial Weather Extremes" reports, which provide, on a monthly basis, a statistical summary of extreme weather events

occurring in the month prior to each report's release. Prior to joining the SOA in 2012, Patrick developed long-range forecasting models of social security and retirement systems in developing countries, for projects funded by the World Bank and the Asian Development Bank. Patrick feels fortunate to have had this wonderful opportunity, enabling him to live and work in over 25 countries across a ten year period. Throughout his career, Patrick has written computer code to facilitate his research. He is a veteran user of C++ and VBA, and newcomer to "R". When analyzing climate and weather data, Patrick uses all three of these languages.



David Schneider, National Center for Atmospheric Research and University of Colorado - Boulder

Biography: Dr. David Schneider is a climate scientist based at the National Center for Atmospheric Research in Boulder, Colorado. He studies climate variability and climate change, with a focus on Antarctica and the Southern Ocean. He has used a wide variety of climate data, from ice cores, to weather station records, to output from global climate models. He has led research projects to reconstruct Antarctica's climate history, to explain how Antarctic sea ice can expand in a warming climate, and to evaluate the performance of global climate models. In

addition to his scientific work, David has led the development of the Climate Data Guide, a website that offers unique, expert-written assessments of the strengths and limitations of observational climate data sets. It has grown to be one of the most popular websites at NCAR, serving a global audience of academics, government scientists, as well as private

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industry. David is also a member of NCAR's Data Stewardship Engineering Team, which is creating a searchable database of all of NCAR's publicly available data.



James Penn, Deloitte LLP

Biography: James is a climate scientist and climate risk analyst in the Deloitte UK Risk Advisory practice. Deloitte work with businesses, financial institutions and the public sector to measure the impact of climate change and help organisations increase their resilience to the changing climate. Prior to joining Deloitte, James was a climate science researcher, building dynamical models of the Earth's atmosphere in FORTRAN and Python. These models are used to understand large-scale weather patterns on Earth like El Nino and the Asian monsoon, as well as in astrophysics: to model the climate of newly discovered exoplanets outside the Solar System. James began his

career as a quantitative currency trader at Merrill Lynch, where he discovered his passion for data analytics and risk modelling. He has more than 15 years' working with large datasets from a diverse range of problem domains, and is an avid user and contributor to open-source Python tools for data analysis. James has a PhD in Applied Mathematics from the University of Exeter.



Cindy Bruyère, National Center for Atmospheric Research

Biography: Dr. Cindy Bruyère is the Directory and co-founder of NCAR's Capacity Center for Climate and Weather Extremes (C3WE), a center within the National Center for Atmospheric Research that was established to advance understanding of the dynamics and predictability of extreme weather across time scales. She is a member of the Society of Actuaries Catastrophe and Climate Strategic Research Program Steering Committee, and a Research Fellow at the North-West University, South Africa. She has an MSc in Dynamical Modeling and a Ph.D. in Environmental Management. Prior to joining NCAR, she was the Assistant Director of Research

Programs at the South African Weather Service. Her current research activities include understanding and predicting the impact of climate variability and change on extreme weather events. Some recent highlights from her career include working with a Norwegian Reinsurance Company and with a Department of Energy-led consortium of offshore energy companies exploring climate change impacts on energy production in the Gulf of Mexico. She also leads a collaboration between NCAR and the Insurance Australia Group (IAG) that aims at understanding and predicting the impact of climate variability and change in Australia and the implications for the insurance industry.

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1-SIS-B: The Micro-Insurance Landscape

Monday, August 10 10:30-11:45 a.m.

Moderator: Ida Ferrara, York University



Biography: Dr. Ida Ferrara is an Associate Professor in the Department of Economics at York University. As an applied micro economist, I rely mostly on theoretical frameworks to analyze policy questions, particularly as they relate to the environment. Some of my recent theoretical works include analyses of the linkages between trade and the environment, social/moral considerations in voluntary contributions and environmental decisions, and the cultural transmission of environmental attitudes. My empirical works include analyses of household environment-based consumption and the environmental management of industrial emissions.



Barbara Magnoni, EA Consultants

Biography: Ms. Magnoni is President of EA Consultants, a development consulting firm. She is also co-founder of a start up phygital, FinTech company, MeXCo, which bridges the gap between digital financial services and financially excluded populations in Mexico, and co-founder of Andares, a non-profit network of over 300 women in Latin America working in financial inclusion. An international development advisor with over 25 years international finance and development experience, she has an extensive background in financial market financing and investments. Since 2000 she has dedicated her work to improving the lives of excluded populations globally

and in the United States through appropriate and responsible financial inclusion. Ms. Magnoni has advised private and public entities including governments, international organizations and financial institutions on the development of right-fit products and services for low income households. She has advised companies on strategies and practices for placing clients at the center of their business strategy. Ms. Magnoni is an Adjunct Professor at Columbia University's School of International and Public Affairs, from which she also holds a Master's Degree. She is fluent in Spanish, English and Italian.



Michael McCord, Microinsurance Center at Milliman

Biography: Michael J. McCord is one of the world's leading experts in developing and managing microinsurance products. His decades of experience include working as controller of a U.S. commercial bank, chief executive officer of a microfinance institution in Uganda, and regional director for microfinance programs in Africa with FINCA International. In 2000, Michael founded the MicroInsurance Centre, an internationally recognized consulting firm and microinsurance thought leader committed to providing three billion low-income people across the world with access to valuable microinsurance products. In September 2017, the MicroInsurance Centre

joined Milliman, a global consulting firm with deep insurance expertise and a shared vision for protecting people in emerging markets from sliding back into poverty. Michael is a highly respected voice in the microinsurance field, working in the areas of research, advocacy, and development of microinsurance products and processes that meet the unique needs of low-income clients. He is a founding member of the Microinsurance Network, where he served as

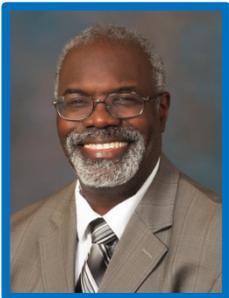
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chairman of the board in 2015 and 2016, and a member of the steering committee for the Munich Re Foundation / Microinsurance Network Annual Microinsurance Conference. In 2015, Michael served as head of the Microinsurance Working Group for the Asia-Pacific Financial Forum (APFF).

1-SIS-C: COVID-19 International Perspectives

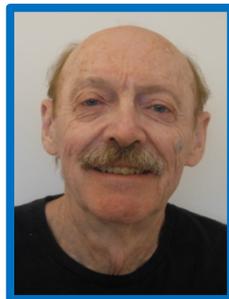
Monday, August 10 10:30-11:45 a.m.

Moderator: John Robinson, Life Insurance Regulator, Minnesota



Biography: John W. Robinson FSA, FCA, MAAA is an actuary with the Minnesota Department of Commerce, the state's regulator for insurance. In his spare time, he is President & Chief Actuary of his own firm, Robinson Associates LLC. In his regulatory role, John is responsible for reviewing the actuarial components of the annual statements of the life insurance companies domiciled in Minnesota, and providing actuarial support in the reviews of life insurance and annuity product filings. He also represents Minnesota on various NAIC Committees. John served as president (2010 to 2013) of the International Association of Black Actuaries, and (2013-2016) on the Board of Directors of the Society of Actuaries (SOA). He serves regularly as an SOA exam grader. He

also serves on the Retiree Benefits Subcommittee of the American Academy of Actuaries. John holds a B.Sc. (Special) in Mathematics from the University of the West Indies, Jamaica, an M.S. in Statistics from the University of Delaware and an M.S. in Statistics from the Florida State University.



Doug Andrews, University of Waterloo

Biography: After a successful career as an actuary, a Chartered Financial Analyst, and a university professor, my professional time is devoted now to conducting and communicating research as Adjunct Professor in the Department of Statistics and Actuarial Science at the University of Waterloo. I am managing an international research project that will provide insights useful for policy makers and professionals concerned about the impact that population aging may have on asset values. My research has an international perspective and is designed to produce practical policy recommendations. It is focused on aging, economics, investments, and risk

management, and their implications for the management of social support systems, such as pensions, health care, and long-term care. I am a Fellow in good standing of the Society of Actuaries and the Canadian Institute of Actuaries. I received a BA and an MBA from the University of Toronto and a MA and a PhD from the University of Waterloo.

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Shubhash Gosine, Duggan Associates

Biography: Shubhash Gosine is a part qualified actuary specializing in employee benefits. He joined the firm of Duggan Consulting Limited, Actuaries and Consultants in Jamaica in November 2015. His first task was to review on behalf of the Trustees a buy-in for a large pension plan. He works primarily on IAS 19 valuations with a handful of funding and solvency valuations. He participates in quite a few forums with regard to the profession. In particular, for the period 2016 to 2019, he was chair of the International Association of Consulting Actuaries (IACA) communications committee. Currently, he chairs the Caribbean Actuarial Association (CAA)

communications committee. He has been tracking the Covid-19 experience in the Caribbean since March and sharing data and related links and information with the CAA's members. Since 2016, he has assisted with the organising of the CAA's annual conference. This year, the CAA is hosting their conference virtually, he is assisting with developing the programme including topics and speakers.

2-SIS-A: COVID19 Overview

Monday, August 10 12:45-02:00 p.m.

Moderator: Rhonda Ahrens, Nebraska Department of Insurance



Biography: Rhonda Ahrens, FSA, MAAA joined the Examination Division of the Nebraska Department of Insurance in 2013 and has been the Chief Actuary for the Department since 2018. Rhonda and her team provide actuarial expertise to the Department, primarily through financial solvency oversight of reserve adequacy as well as determination of premium rate reasonableness. Rhonda is actively involved in actuarial matters at the National Association of Insurance Commissioners and has been heavily involved in the NAIC's efforts to address the challenges of the Long-Term Care insurance industry. Prior to joining the Department, she worked in the insurance industry for 17 years, garnering significant experience in the pricing and

risk management of annuities and Long-Term Care insurance products, asset liability management functions across several product lines and government relations. This past industry experience provides her a unique and valuable perspective in her role as a state regulator.

Dale Hall, Society of Actuaries



Biography: R. Dale Hall, FSA, MAAA, CERA, CFA is Managing Director of Research for the Society of Actuaries (SOA). In his role, Dale coordinates the SOA's strategic research partnerships, oversees SOA experience studies, coordinates research across the SOA's wide variety of actuarial practice areas and markets, and directs the SOA's data-driven in-house research initiatives. He is a frequent speaker at insurance and retirement industry meetings to highlight SOA research, including presentations to the NAIC and congressional committee testimony on pension plan mortality rates. He has appeared on behalf of the SOA in a variety of

media outlets including National Public Radio, C-SPAN and National Geographic's BREAKTHROUGH series, and hosts the SOA's *Research Insights* Podcast. Prior to joining the SOA in 2013, Dale spent over 20 years in the US insurance

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industry, primarily as Chief Actuary for the Life/Health companies of COUNTRY Financial. While at COUNTRY, he was active in industry committees and was an adjunct professor in the actuarial science program at Illinois State University.



Max Rudolph, Rudolph Financial Consulting, LLC

Biography: Max Rudolph is a credentialed actuary, active in the Asset-Liability Management and Enterprise Risk Management space for many years. He was named a thought leader in ERM within the actuarial profession, chaired the ERM Symposium, the SOA Investment Section Council and the SOA's Investment Actuary Symposium. He is a past SOA board member and received a Presidential Award for his role developing the CERA credential. He was the subject matter expert for the original Investment and ERM modules, wrote the ERM courseware document and has been involved with the actuarial profession's climate change and pandemic

efforts. He is a frequent speaker at actuarial seminars and universities, and an award-winning author. For the past 14 years Max has led an independent consulting practice, focusing an insurance practice on ERM and ALM consulting. He has completed projects relating to life, health, annuity, and casualty insurers. He is an adjunct professor for Creighton University's Heider School of Business. Max has completed a number of well received research reports covering topics such as emerging risks, low growth, low interest rates, investments, systemic risk and ERM. Other topics he has written about include pandemics, ALM and value investing.

2-SIS-B: US Health Care Reform Efforts: State Solutions To Stabilization Of Individual Market Premiums Through CMS Waivers

Monday, August 10 12:45-02:00 p.m.

Moderator: Steven Konnath, Blue Cross and Blue Shield of Nebraska



Biography: Steve Konnath is vice president, actuarial, underwriting and data analytics for Blue Cross and Blue Shield of Nebraska (BCBSNE). In his role, he is responsible for leading his team in producing innovative, market-leading and efficient pricing and underwriting solutions for BCBSNE, as well as assisting the organization in aligning our strategic approach to insight-driven insurance. Prior to joining BCBSNE, Konnath served as the actuarial director for Aetna. Before that, he held several leadership positions at Physicians Mutual. Konnath is active in the community, having served as the chairman of the board of the Nebraska Actuaries Club. He is a graduate of the Omaha Chamber of Commerce's Leadership Omaha Class 33 and the Nebraska

Chamber's Leadership Nebraska Class XI. He has also held several past leadership roles with the Society of Consumer Affairs Professionals, the Southwest YMCA and the Society of Actuaries. Konnath has a bachelor's of science in mathematics with an emphasis in actuarial science, computer science and economics. He is a member of the American Academy of Actuaries and is a Fellow of the Society of Actuaries.

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Rick Rush, GERICK

Biography: Richard (Rick) Rush, FSA MAAA is the Managing Partner and founder of the consulting firm GERICK. At GERICK he works with health insurance sponsors, carriers, providers, and government programs. Rick is a health actuary with over 30 years experience, which included employer benefits consulting, court appointed rehabilitator/liquidator of insolvent HMOs, and leading actuarial service departments for health insurers. Rick is an active volunteer and board member with several health and education non-profits. He is a graduate of the University of Nebraska – Lincoln.



Michael Cohen, Wakely

Biography: Michael Cohen, PhD, joined Wakely in 2017. While at Wakely, Michael has focused on providing policy and econometric analysis for clients. Michael has been a part of three successful 1332 waiver applications and nearly a dozen engagements helping states improve health outcomes in their state. He also regularly advised Wakely consultants on the latest regulatory changes, with a primary focus on national level policy. Before coming to Wakely he served as a senior advisor on various commercial insurance and ACA initiatives, including risk adjustment, health policy, program integrity, and insurance oversight activities. In addition to working at CMS, he previously worked at the White House where he analyzed commercial market trends and helped develop policies on healthcare reform topics such as 1332 waivers. Michael has a PhD in political science with a specialization in the interaction of state and federal policy development.



Veronica Fontama, Kaiser Permanente

Biography: Veronica Fontama, PhD, FSA, MAAA is an Actuarial Manager at Kaiser Permanente in Seattle, WA. She has extensive healthcare experience in pricing, reserving and forecasting. Veronica's current focus is on managing the company's ACA Individual and Small Group lines of business. Her team oversees competitive analyses, strategic product designs, rate filings and rate negotiations with the Office of the Insurance Commissioner. She also leads actuarial analyses on ACA market stabilization initiatives including a state-based reinsurance proposal, standardized plan designs and recently, the state Public Option initiative. Before Kaiser, Veronica worked at Milliman, Microsoft U.S. Employee Health Benefits Group and Regence Blue Cross Blue Shield of WA/OR. At Microsoft she led actuarial/analytical services to inform the design and implementation strategy for Microsoft U.S. Health Care program during a 3-year transition period to a full replacement consumer-directed health plan. Veronica holds a PhD in Satellite Engineering from the University of Surrey, UK and a master's in Actuarial Science from Temple University, Philadelphia. Before her actuarial career, she was a post-doctoral research fellow at the University of Reading, UK and a software engineer at TCSI Corporation.

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3-SIS-A: Parametric Insurance

Monday, August 10 02:15-03:30 p.m.

Moderator: Denise Olson, Zurich North America



Biography: Denise Olson is the Head of the New Programs Team within the Programs Business Unit for Zurich North America. This cross functional team is responsible for onboarding new programs from opportunity until the first policy is written and booked on Zurich systems. Denise began her insurance career in 1991 with CNA in Chicago where she priced a variety of business and came to Zurich in 2003. During her career, she's held roles in actuarial pricing, underwriting, product development and as the business lead for a large systems transformation. She is a 1991 graduate from the University of Nebraska-Lincoln with majors in Mathematics and Actuarial Science. She currently serves on the University's Actuarial Science Advisory Board. She is

located in Omaha.



Jonathan Charak, Zurich North America

Biography: Jonathan is Vice President and Emerging Solutions Director at Zurich North America. His responsibilities include identifying emerging risks and evaluating potential solutions. He has held multiple roles of increasing responsibility across a variety of actuarial and non-actuarial functions across both the US and Australian markets. Jonathan volunteers with the Casualty Actuarial Society as the vice-chair of the Automated Vehicle Task Force as well as other committees. Jonathan holds a Bachelor of Science in Mathematics and a Bachelor of Science in Biology from Illinois Wesleyan University, is a Fellow of the Casualty Actuarial Society (FCAS),

Member of the American Academy of Actuaries (MAAA), and a Certified Program Leader (CPL).



Seababrata Sarkar, Swiss Re

Biography: Seababrata Sarkar, is the Special Lines Innovation Sr. Project Lead with Swiss Re America. His role sits between two of Swiss Re's Special Lines of businesses, namely Engineering and Agriculture. On both sides of the aisle, Seba is responsible for supporting their global team of Underwriters and Product Managers, in developing parametric as well as non-parametric new products. He has been with Swiss Re for 5 years now, and prior to that, has worked with Commodity Derivative Exchanges. He has an MBA, and enjoys travelling.

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Kate Stillwell, Jumpstart

Biography: Kate is the Founder and CEO of Jumpstart, the InsurTech that brought parametric coverage to consumers. Kate has worked to build resilience for more than 20 years, originally as a practicing structural engineer and past president of the Structural Engineers Association of California; at EQECAT (now CoreLogic) as product manager of worldwide earthquake models; and as a co-founder of the Global Earthquake Model Foundation. Kate holds degrees from UC Berkeley, Stanford, and the University of Minnesota. She lives with her family in Oakland, California.

3-SIS-B: Natural Hazards Risk Management

Monday, August 10 02:15-03:30 p.m.

Moderator: Shasta Gaughen, Pala Environmental Department



Biography: Shasta Gaughen is the Environmental Director and the Tribal Historic Preservation Officer for the Pala Band of Mission Indians in Pala, California. She has worked for Pala since January 2005, and established Pala's Tribal Historic Preservation Office in 2008. She has also been an adjunct professor in the Anthropology Department at California State University San Marcos since 2006. Dr. Gaughen received her PhD in Anthropology from the University of New Mexico in 2011. She is Chair of the National Association of Tribal Historic Preservation Officers, a member of the Advisory Council on Historic Preservation, Secretary of the Board for the Native American Environmental Protection Coalition, lead of the Tribal Working Group for the Climate

Science Alliance - South Coast, a member of the Institute of Tribal Environmental Professionals' Climate Change Advisory Committee, and Vice President of the board for the Upper San Luis Rey Resource Conservation District. Dr. Gaughen oversees the Tribal Climate Health Project, a grant-funded education and outreach project that includes a website, resource clearinghouse, webinars, videos, and in-person presentations on climate change and health adaptation in Tribal communities.



Barbara Carby, University of the West Indies-Mona

Biography: Dr. Barbara Carby is a Disaster Risk Management expert with over 30 years experience in the public sector and academia. She has directed national DRM offices in Jamaica where she was Director General of the Office of Disaster Preparedness and Emergency Management and the Cayman Islands where she was the founding Director of Hazard Management Cayman Islands. In these positions she was responsible for development of national DRM policies, plans and programmes. Her research interests include integrating knowledge bases for DRM and DRM planning for Persons with Disabilities. She has served in a voluntary capacity

on several United Nations and other international and regional committees and has received national honours from Jamaica and France for her work in Disaster Risk Reduction. When not reducing risk she enjoys training dogs and gardening.

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Roger Pulwarty, NOAA Federal

Biography: Roger Pulwarty is the Senior Scientist in NOAA's Physical Sciences Laboratory in Boulder, Colorado. His publications focus on climate, water, and risk management in the U.S., Latin America and the Caribbean. Dr. Pulwarty is a lead author on national and international assessments including the IPCC, UNDRR, and the US National Climate Assessment. He has helped design and lead widely-recognized interdisciplinary programs including, the National Integrated Drought Information System, the Regional Integrated Sciences and Assessments, and the Mainstreaming Adaptation to Climate Change project in the Caribbean. Roger provides

testimonies before the US Congress, and served on White House and National Academy Committees, He co-chairs the UN Climate Services Information System and the US SDG6 (Water). Roger's work on science and decision-making has been featured in the New York Times, Smithsonian, Forbes, and the BBC, and has been awarded by the Department of Commerce, the American Geophysical Union, the Adaptation Futures Forum, and the Government of Trinidad and Tobago, among others. He is a Fellow of the American Meteorological Society and the American Indian Society for Science and Engineering. Roger is the co-editor of "Hurricanes: Climate and Socio-Economic Impacts" (Springer, re-released in paperback 2012), and "Drought and Water Crises" (CRC Press 2017).



Carolyn Kousky, University of Pennsylvania Wharton School

Biography: Carolyn Kousky is Executive Director of the Wharton Risk Management and Decision Processes Center at the University of Pennsylvania. Dr. Kousky's research has examined multiple aspects of disaster insurance markets, the National Flood Insurance Program, federal disaster aid, and policy responses to potential changes in extreme events with climate change. She has published numerous articles, reports, and book chapters on the economics and policy of natural disasters and disaster insurance markets, and is routinely cited in media outlets including NPR, The New York Times, The Washington Post, and CBS News, among others. She is the

recipient of the X International Julio Castelo Matrán Insurance Award from the Fundación MAPFRE on behalf of the Policy Incubator and the 2013 Tartufari International Prize from the Accademia Nazionale dei Lincei. Dr. Kousky is a member of the FEMA's Technical Mapping Advisory Committee and vice-chair of the California Climate Insurance Working Group. She has a BS in Earth Systems from Stanford University and a PhD in Public Policy from Harvard University.



Daniel Aldrich, Northeastern University

Biography: Daniel P Aldrich is Director of the Security and Resilience Studies Program and Professor in political science and public policy at Northeastern University in Boston. An award winning author, Aldrich has published five books including Building Resilience and Black Wave, more than 55 peer-reviewed articles, and written op-eds for the New York Times, CNN, HuffPost, and many other media outlets. He has spent more than 5 years in India, Japan, and Africa carrying out fieldwork and his work has been funded by the Fulbright Foundation, the Abe Foundation, and the Japan Foundation, among other institutions. He is an ordained rabbi and

received his PhD from Harvard University. He Tweets at @danielpaldrich

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Marty D. Matlock, University of Arkansas

Biography: Dr. Marty Matlock is Executive Director of the University of Arkansas Office for Sustainability and Professor of Ecological Engineering in the Biological and Agricultural Engineering Department. He is a member of the Cherokee Nation, and has served as Chairman of the Cherokee Nation Environmental Protection Commission for the past 10 years.

3-SIS-C: COVID-19 Life Insurance and Assets

Monday, August 10 02:15-03:30 p.m.

Moderator: Noel Harewood, Ameritas



Biography: Noel Harewood, FSA, MAAA, recently joined the company as vice president and actuary – individual product management of Ameritas Life and Ameritas Life of New York. He is responsible for in-force management issues, including reinsurance, and the financial forecast for the individual division. Harewood previously served as vice president and corporate actuary for an insurance company in Atlanta, Georgia. He also served in a variety of consulting roles for Towers Watson in various locations. Harewood earned his B.S.B.A. degree in actuarial science from the University of Nebraska-Lincoln.



Andrew Hallsworth, SCOR (ahallsw@gmail.com)

Biography: Andrew is a Global Pricing Actuary at SCOR where he has worked since 2017. He develops and shares pricing methods and expertise, manages operational risk in pricing, and performs pricing referrals primarily on US and Canadian business. During the COVID-19 pandemic, Andrew has been responsible for maintaining the epidemiological model for the US inforce team. Prior to working at SCOR Andrew worked extensively in pricing and product development. He is a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries. He earned a master's degree in mathematics from the University of Florida and a

bachelor's degree in mathematics from the University of the West Indies.



Edward Toy, Risk Regulatory Consulting

Biography: Ed is Investment Practice Lead where he focuses on supporting financial examinations and analysis of U.S. insurers. He has over 35 years of experience in capital markets and has been deeply involved with state insurance regulation for over 25 years. Before joining RRC in 2018, he was with the National Association of Insurance Commissioners, where he founded the Capital Markets Bureau and held the position of Director. He worked with state insurance regulators in the development of tools for oversight of the insurance industry as they

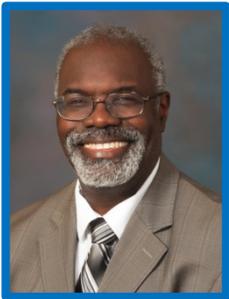
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relate to investments. He was chair of the Macro-prudential Policy & Surveillance Working Group of the International Association of Insurance Supervisors, and supported the NAIC's representative to the Financial Stability Oversight Council and a member of FSOC's Systemic Risk Committee. Prior to the NAIC he was a portfolio manager with a hedge fund, Artesian Capital. Before joining Artesian, he was a managing director at Teachers Insurance and Annuity Association. His roles included portfolio manager for convertible securities; a member of the Structured Finance Group where he was primarily responsible for non-agency RMBS; portfolio manager of the private placement high yield effort; and a generalist in the Private Placement Group.

4-SIS-A: Resolved: The United States Should Require That Persons in the United States Be Vaccinated if an Efficacious Covid-19 Vaccine Becomes Available

Monday, August 10 03:45-05:00 p.m.

Moderator: John Robinson, Life Insurance Regulator, Minnesota



Biography: John W. Robinson FSA, FCA, MAAA is an actuary with the Minnesota Department of Commerce, the state's regulator for insurance. In his spare time, he is President & Chief Actuary of his own firm, Robinson Associates LLC. In his regulatory role, John is responsible for reviewing the actuarial components of the annual statements of the life insurance companies domiciled in Minnesota, and providing actuarial support in the reviews of life insurance and annuity product filings. He also represents Minnesota on various NAIC Committees. John served as president (2010 to 2013) of the International Association of Black Actuaries, and (2013-2016) on the Board of Directors of the Society of Actuaries (SOA). He serves regularly as an SOA exam grader. He also serves on the Retiree Benefits Subcommittee of the American Academy of Actuaries. John holds a B.Sc. (Special) in Mathematics from the University of the West Indies, Jamaica, an M.S. in Statistics from the University of Delaware and an M.S. in Statistics from the Florida State University.



David Cram Helwich, Debating Coach, University of Minnesota

Biography: David Cram Helwich is the Director of Forensics at the University of Minnesota and a member of the Communication Studies faculty. He has been actively involved in speech and debate for over 30 years, including 20 as a full-time college coach. His teams have won an array of intercollegiate tournaments, including several national championships. David's research interests include forensics pedagogy, public argumentation, and local political campaigns. He serves as a board member for the Minnesota Urban Debate League (MNUDL), and directs the League's annual summer institute for high school debaters.

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Brian Rubaie, Debating Coach, University of Iowa

Biography: Brian Rubaie is the Debate Coach at the University of Iowa, the President of the Cross Examination Debate Association (CEDA), and an MBA student at Iowa. Brian has coached high school and college debate for over a decade and is passionate about the ability of debate to sharpen critical thinking, drive in-depth research, and produce innovative solutions. Brian helped guide the Hawkeyes to a national championship in 2018 and is currently working as President of CEDA to help guide debate through the challenges posed by COVID-19.



Hamza Jamal, University of Minnesota

Biography: I am currently a Junior at the University of Minnesota-Twin Cities majoring in Neuroscience with a Minor in Math. This will be my 4th year on the University of M Policy Debate. I am originally from Aberdeen, South Dakota where I was also on my high school's local speech and debate team for all 4 years. After graduating, I intend to take a gap year before going to medical school.



Allegro Wang, University of Minnesota

Biography: Allegro Wang is a student and debater at the University of Minnesota. They are currently pursuing degrees in Gender, Women's, and Sexuality Studies and Geography, with a minor in Geographic Information Sciences. They are an alum of Thomas Jefferson High School in Bloomington, Minnesota, where their debate career started. Since entering college, Allegro has held several research positions and worked as a debate assistant at Wayzata High School and Minneapolis South High School. They are also the co-author of "Cyber Fantasies: Rina Sawayama, Asian Feminism, and Techno-Orientalism in the Age of Neoliberalism."



Elizabeth Bennett, University of Iowa

Biography: Elizabeth Bennett is a third year at the University of Iowa. She grew up in the Chicagoland area, and came to Iowa to pursue a major in medical anthropology with a minor in statistics. Elizabeth is a highly accomplished debater who has qualified for the National Debate Tournament, won her district tournament with debate partner, Spencer, and has debated in elimination rounds at tournaments such as the US Naval Academy. Elizabeth is renowned for her creativity and hard work as both a competitor and coach.

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5-SIS-A: Making Micro-Insurance Work for Women

Tuesday, August 11 8:00-9:15 a.m.

Moderator: Katherine Baez, Barna Management School/EA Consultants/ALAS



Biography: Katherine Baez is a social entrepreneur and experienced consultant in actuarial science and financial inclusion. She has more than 13 years of professional experience in risk management and risk quantification related to pensions, health, life, disability and microinsurance. Katherine is currently Director and Professor of Business Analytics' pillar of the Bachelor of Business at Barna Management School in the Dominican Republic. Additionally, she is an international consultant in financial inclusion and social protection through EA Consultants, supporting different projects with statistical analysis, market research and financial modeling. She is also a social entrepreneur and founder of ALAS, a financial inclusion project through microinsurance. Katherine is an economist with a MSc in Actuarial Science at the University of Nebraska-Lincoln and MBA at Barna Management School.



Sarah Ebrahimi, International Finance Corporation

Biography: Sarah Ebrahimi has been a core team member of the Women's Insurance Program within the International Finance Corporation's Gender and Economic Inclusion Group since 2016. Her team advises insurance companies in emerging markets on the business case for becoming the insurer and employer of choice for women and has co-created women's insurance programs that bring innovative products to market, in countries such as Nigeria, the Philippines, Cameroon, and Ghana. Before joining IFC, she worked at the Inter-American Development Bank's IDB Lab (formerly Multilateral Investment Fund) as a microinsurance specialist, and previously with EA

Consultants on a range of microinsurance and microcredit projects in Latin America. Sarah is driven by a desire to continue her growth as an inclusive insurance, gender, and financial inclusion practitioner. She is passionate about the use of data, especially gender-disaggregated data, to better understand the needs of clients, and is excited to share how human-centered design has greatly influenced her work. She has a MA in Public Policy and Development Management from Georgetown University, and a BS in Finance from the University of Delaware.



Queenie Chow, Microinsurance Center at Milliman

Biography: Queenie calls herself an "actuary without borders" – a passionate actuary working in global development and inclusive insurance. She works with the MicroInsurance Centre at Milliman (MIC@M) as a Microinsurance Specialist. She is based in Melbourne and works across all emerging markets. Inspired to make insurance accessible to all, Queenie has previously worked with the Impact Insurance Facility of the United Nation's International Labour Organization across countries like Kenya, Togo, China and Philippines etc. She is an Australian-qualified actuary with over 10 years of experience working in consulting and has been working within the

microinsurance innovation space in the past few years. Queenie was recently given the "40 under 40: most influential Asian-Australian Awards.

Special Invited Section Presenters' Profile



Gilles Renouil, Women's World Banking

Biography: Gilles Renouil is the global head of insurance products at Women's World Banking. He has spent more than 20 years in the insurance industry and in non-profit.

Prior to joining Women's World Banking Gilles served as a Director at Swiss Re in risk management and group underwriting strategy. Until 2006, he worked for Allianz in Germany and Spain, where he developed several innovative insurance products. A graduate from École des Ponts ParisTech, his areas of expertise include product design, pricing, underwriting, control frameworks, financial performance and process improvement.

5-SIS-B: Cyber Risk

Tuesday, August 11 8:00-9:15 a.m.

Moderator: Cindy Xu, University of Nebraska-Lincoln



Biography: Dr. Di (Cindy) Xu earned her Ph.D. in actuarial science from the University of Waterloo in Ontario, Canada, in 2016. Her research interests include risk theory, queueing theory, distributional analysis of risks, modeling dependency in insurance portfolios, catastrophe risk analysis and pricing. Xu co-authored "On the analysis of time dependent claims in a class of birth process count models" in *Insurance: Mathematics and Economics*. She is a two-time recipient of the \$20,000 James C. Hickman scholarship from the Society of Actuaries. Her dissertation is titled "Analysis of time-dependent aggregate claims and its application in insurance".



Martin Eling, University of St. Gallen

Biography: Martin Eling (*1977) is professor for insurance management at the University of St. Gallen, Switzerland. He is doing empirical research in the intersection of insurance business, economics, and mathematics. His research interests include in a broad range of topics including strategic management, financial management, risk management, and asset management. The current agenda includes new research topics such as cyber risk, microinsurance, and long-term care. His research has been awarded by several leading institutions including the American Risk and Insurance Association, the Casualty Actuarial Society, and the National Association of

Insurance Commissioners. A recent article on the impediments to interdisciplinary research on cyber risk was published in *SCIENCE*."

Special Invited Section Presenters' Profile

**Ben Goodman, 4A Security & Compliance**

Biography: Mr. Goodman is the founder and CEO of 4A Security & Compliance, a firm that helps clients manage cyber risk and meet their information security and compliance requirements. With over 30 years of experience in information technology, technology strategy and risk management, Mr. Goodman is dedicated to strengthening the cyber defenses and resiliency of organizations and critical infrastructure around the globe. Mr. Goodman is also Founder of CyRisk, a SaaS platform that performs automated penetration testing, continuous security monitoring and vendor risk management. Mr. Goodman is a member of the faculty at Drexel University's LeBow College

of Business where he has lectured on Cyber Risk Management and Breach Response for Directors, Corporate Officers and Senior Management. He is a Fellow of the Ponemon Institute, a member of the Casualty Actuarial Society's Cyber Risk Task Force, and served as cyber security advisor to the Steering Committee for the Greater Philadelphia Healthcare Innovation Taskforce. He is also a member of the Pace University, Seidenberg School of Computer Science Cybersecurity Advisory Board, and a member of the Philadelphia Chapter of Infragard. He has also served as an expert witness on legal matters concerning data breaches involving PHI, security, privacy and HIPAA compliance. Mr. Goodman's paper entitled "The Cyber Risk Ecosystem" won first prize for Applied Enterprise Risk Management at the Joint Casualty Actuarial Society, Canadian Institute of Actuaries and Society of Actuaries Enterprise Risk Management Symposium. Mr. Goodman is also the winner of ISACA's CRISC Global Achievement Award, and is a regular conference speaker on cyber security and cyber risk assessment. Mr. Goodman received his Bachelors Degree from Columbia College in New York.

**Greg Thompson, Manulife**

Biography: Greg Thompson is vice president and Chief Information Security Officer responsible for the global Information Security Risk program at Manulife Financial. Greg is an executive with extensive industry experience in industries ranging from Telecommunications to the Financial Services Industry. Prior to rejoining Manulife in 2018, Greg worked for Scotiabank for 15 years where he most recently led the combined Operational & IT Risk Practices. He also spent eight years as the head of Cyber Security Operations in his role as VP and Deputy CISO at Scotiabank. Greg is active in the global information security community through participation in

several industry forums and through various volunteer activities. Highlights include:

- Chairman of Trustees for the Center for Cyber Safety and Education. www.iamcybersafe.org
- Board Member of the Canadian Cyber Threat Exchange (CCTX). <http://cctx.ca>
- Past member of the Board of Directors (and Board Officer) for the International Information Systems Security Certification Consortium, better known as (ISC)². www.isc2.org

Special Invited Section Presenters' Profile



Rainer Böhme, University of Innsbruck

Biography: Rainer Böhme is a professor of computer science at the University of Innsbruck, Austria. Prior to that he worked at the University of Münster, Germany, and at the International Computer Science Institute in Berkeley, California. His background is interdisciplinary with degrees in economics, communications, and computer science. His research interests include the economics of security and privacy. He first published on cyber risk insurance in 2004, co-authored several studies on the quantification of cyber losses, and contributed to the development of the field of information forensics, which tries to establish the causal chains behind cyber events. His most recent research covers risks emerging with the adoption of cryptocurrencies, compliance risks in the thicket of international privacy regulations, and new risks in the context of adversarial machine learning. Besides research, he advises the policy sphere on cyber risk management, cryptocurrency regulation, and technical aspects of future forms of digital money.

Link to homepage: <https://informationsecurity.uibk.ac.at/people/rainer-boehme/>

Link to introductory reading on cyber risk insurance: <https://www.variancejournal.org/issues/12-02/161.pdf>

5-SIS-C: Malaysia's National Islamic Insurance (i.e. Takaful) Scheme for the Underprivileged Group

Tuesday, August 11 8:00-9:15 a.m.

Moderator: Zainal Abidin Mohd Kassim, Actuarial Partners



Biography: Zainal has been in actuarial consulting since 1982 when he returned home from London after living abroad for 9 years. Between 1978 and 1982 he worked at Prudential plc in their London office. His nearly 40 years of consulting experience spans the full spectrum of actuarial services including life, property and casualty, and health insurance consulting, family and property and casualty takaful consulting, retirement benefit consulting and investment consulting. He was among the first five Malaysians to qualify as a Fellow of an actuarial professional body. His insurance and takaful consulting experience includes assignments as Appointed Actuary for life insurers in Malaysia, Singapore and Bahrain, takaful companies in Malaysia, Brunei, Sri Lanka

and Saudi Arabia. He was also a Signing actuary for general insurers and general takaful operations in Malaysia. Zainal started his career as a pension actuary and remain active in retirement consulting. Zainal is currently Senior Partner at Actuarial Partners Consulting based in Kuala Lumpur, Malaysia. He is a Fellow of the Institute of Actuaries of the UK, Fellow of the Actuarial Society of Malaysia, Fellow of the Singapore Actuarial Society and an Associate of the Society of Actuaries in the USA. He graduated from City, University of London in 1978. He is a past President of the Actuarial Society of Malaysia.

Special Invited Section Presenters' Profile



Jasveen Marne, Great Eastern Takaful Berhad

Biography: Jasveen Marne is the CFO for GETB, in charge of the Actuarial Pricing, Strategic Management, Finance, Property & Procurement and Investment Operations teams. She started her career in the Investment Advisory team of KPMG, London for over 4 years before returning to Malaysia in 2011 where she joined the Great Eastern family. At Great Eastern, she was part of the actuarial pricing and valuation teams and eventually became the Appointed Actuary for GETB before taking on the role of CFO. Jasveen obtained a 1st Class Honours in Actuarial Science at the London School of Economics (LSE), UK, followed by a Msc in Actuarial Management at Cass Business School, London, UK. She is a Fellow of the Institute and Faculty of Actuaries, UK.



Khairul Anuar Che Yeop, Great Eastern Takaful Berhad

Biography: Khairul Anuar has had over 8 years of experience in the Islamic Insurance (i.e. Takaful) industry focusing on Operations and Project Management. He is based in Malaysia and is leading the Government's micro insurance scheme, better known as the mySalam Scheme. He started his career in the telecommunication industry and eventually moved to the Takaful industry to pursue his long life dream; to provide a more inclusive takaful offering to the public. He was the Head of Customer Experience & Strategy at Prudential BSN Takaful for 7 years before joining GETB in 2018. Since joining the industry in 2011, Khairul has been involved in various areas of takaful work, particularly in microtakaful and the direct channel distribution. His expertise lies in customer service, operations, strategy and project management. Khairul Anuar attended Tenaga Nasional University, Kuala Lumpur (UNITEN) with BEng in Electrical & Electronics and is currently pursuing his MBA with the University of East London, UK.



Irene Ng, GenRe Asia

Biography: Irene Ng is the Chief Underwriting and Claims officer for Gen Re in Asia. She is also the General Manager of Gen Re Singapore and Labuan Branches responsible for the Life Health business in South East Asia. She has more than 25 years of experience in the Life & Health insurance and reinsurance industry, and is a Fellow with the Academy of Life Underwriters, Associate of the Chartered Insurance Institute, as well as being conferred a Fellow with the Institute of Banking & Finance in Singapore. She is heavily involved in the business and product development in Asia, as well as providing technical underwriting & claims advice to clients in Asia.

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6-SIS-A: Diversity and Inclusion Panel

Tuesday, August 11 10:45 a.m.-12:45 p.m.

Moderator: Sharon Robinson, Zurich North America



Biography: Sharon K. Robinson is the Senior Vice President and Chief Pricing Actuary for Zurich North America. In this role Ms. Robinson leads the ZNA pricing function in the delivery of analytically based pricing, development of business segmentation strategies and communicating the forward-looking view of ZNA profitability to inform financial planning. Since joining Zurich in December 2008, Ms. Robinson has held actuarial business partnering roles increasing in responsibility including Middle Market Commercial, Construction, and Commercial Markets. She led Business Insights for North America Commercial from December 2013 – September 2016.

The role expanded to include all of Zurich North America in September 2016 and responsibilities included loss ratio planning and forecasting and collaborating with business leaders to drive execution on business strategy. Ms. Robinson is a graduate of the University of Illinois –Urbana with a Bachelor degree in Actuarial Science. She is a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries. Ms. Robinson currently serves on the Board of Trustees for The Actuarial Foundation, a charitable organization focused on math education and financial literacy. Ms. Robinson enjoys sharing her professional experiences to help others on their career journey through mentoring and guest speaking opportunities particularly to promote awareness for the profession with diverse audiences.



Adelaida Campos, Organization of Latino Actuaries President

Biography: Adelaida Campos is a Retirement Consultant for Willis Towers Watson in Los Angeles. She has 16 years of actuarial experience helping companies manage their retirement programs. She has worked on plan re-designs, funding and accounting strategies, forecasting plan costs, de-risking activities, cost savings strategies, valuations and related reporting. She also has experience in Cost Accounting Standards (CAS). In 2004, Adelaida was offered work as an actuary in the U.S. and moved from Mexico City to Los Angeles. Prior to that, Adelaida worked at her alma mater where she founded a program that substantially increased the funding

of scholarships at the University. For this, she won the “Leadership Award” from the Council for Advancement and Support for Education (CASE). She also helped enhance a program providing education for underprivileged students in Mexico. During this time, Adelaida also lectured in financial mathematics at the University. Adelaida is co-founder and President of the Organization of Latino Actuaries (OLA) and is an active member of the SOA/CAS Joint Committee for Inclusion, Equity and Diversity (JCIED). Her work in both organizations is aimed at increasing the number of actuaries from underrepresented groups. She is also leader of the Los Angeles Multicultural Inclusion Network at Willis Towers Watson. Adelaida believes education is key to improving lives and is convinced that diversity and inclusion in all professions will create openness and understanding, enhancing the lives of all. Adelaida earned a B.Sc. in Actuarial Sciences and a Master's in Finance from Universidad Anáhuac. She is also a Fellow of the Society of Actuaries and an Enrolled Actuary.

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Roy Goldman, Society of Actuaries President Elect

Biography: Based in Jacksonville Beach, Fla., Roy Goldman is retired, though remains quite active in the actuarial profession, research, and health policy. He previously served as VP and Chief Actuary of Humana and as CFO and Chief Actuary for Geisinger Insurance Operations, Mercy Health Plans, and Prudential's Group and Healthcare Business Unit. Goldman served six years on the Health Advisory Panel for the Congressional Budget Office, helped start the Health Care Cost Institute, and now serves on their board as treasurer. Goldman is a long-time SOA volunteer on education and exams and a past and current SOA Board member. He recently completed four years as a Board Trustee for The Actuarial Foundation, where he sponsored and developed The Modeling the Future Challenge. His Ph.D. is in mathematics from Rutgers University.



Mallika Bender, Co-Chair of Joint Casualty Actuarial Society/Society of Actuaries Committee on Inclusion, Equity and Diversity

Biography: Mallika Bender is a Fellow of the Casualty Actuarial Society. Her thirteen years in the Property & Casualty industry reflect a wide range of experiences, across pricing, reserving and modeling, from Personal to Commercial and Specialty lines, in the United States and Australia. She fell into Diversity and Inclusion work during her first actuarial role, becoming one of the few non-HR associates tapped and trained to facilitate the company's Diversity training for associates. Since then, she has been learning and growing in this space through volunteer roles at work and in her community in Philadelphia. She now leads Inclusion, Equity and Diversity efforts for the Casualty Actuarial Society and is the Co-Chair of the CAS/SOA Joint Committee for Inclusion, Equity and Diversity.



Jason Leppin, Actuarial Foundation Executive Director

Biography: Jason Leppin, a Certified Fundraising Executive (CRFE), has over a decade of non-profit management and leadership experience. He joined The Actuarial Foundation, the philanthropic organization for the industry, in 2015. Since then, he has been instrumental in expanding the Foundation's reach with new initiatives like the national Modeling the Future Challenge math competition and the award-winning Math Motivators tutoring program. He has also been influential in securing innovative funding opportunities for the Foundation with corporations, grants and challenges. Prior to joining the Foundation, he served as the Vice President of the JourneyCare Foundation, one of the largest non-profit hospice and palliative care organizations in the Chicagoland area. During his tenure, JourneyCare Foundation's assets grew from \$10M to \$14M. He successfully implemented several community engagement programs, including; The Grateful Family & Friends program which allowed patient families to thank caregivers, the Youth Advisory Board which connected high school students with the mission of JourneyCare, and the Planned Giving Advisory Council which provided educational resources to Foundation staff and donors. On leading The Actuarial Foundation, Jason says, "I am proud to serve and partner with many different supporters and friends. I am dedicated to this sector because it provides vital math and financial literacy enrichment to our community. The Actuarial Foundation plays a key role in supporting and developing teachers, students and the actuarial profession."

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Jacquie Friedland, Canadian Institute of Actuaries President Elect

Biography: Jacqueline Friedland is President, J. Friedland Actuarial Consulting Inc., an advisory firm providing a wide range of actuarial, risk management, and research services. Jacqueline offers expertise in leadership development, lean management, actuarial target operating models, and governance frameworks. Prior to starting her own firm, Jacqueline served as Chief Risk Officer, Chief Actuary, and Chief Compliance Officer for RSA Canada. During her career of more than 35 years, Jacqueline worked with a number of consulting firms and international insurers in the U.S., South Africa, and Canada. Jacqueline is the principal author of *Fundamentals of*

General Insurance Actuarial Analysis, released by the Society of Actuaries, and *Estimating Unpaid Claims Using Basic Techniques*, released by the Casualty Actuarial Society. She served in leadership roles for the development of actuarial publications on diverse subjects including water damage risk and the pricing of property insurance, operational risk, economic capital modeling, catastrophe modeling, and numerous financial reporting subjects (including IFRS 17). Jacqueline is currently President-Elect of the Canadian Institute of Actuaries and Vice Chair of the Big Data Working Group of the International Actuarial Association. She is an active volunteer with the CIA, IAA, CAS, SOA, and IFA.



Dwayne Husbands, International Association of Black Actuaries President Elect

Biography: Dwayne Husbands is a Senior Manager in EY's Insurance and Actuarial Advisory Services practice. He is based in the firm's New York Office. Dwayne has over 10 years of experience with EY serving insurance, reinsurance, and financial services clients. His skill set includes risk management, forecasting & stress testing, financial reporting, ALM, and Actuarial Transformation and merger & acquisitions. Dwayne is a Fellow of the Society of Actuaries (FSA), Chartered Financial Analyst (CFA), and member of the American Academy of Actuaries (MAAA). Dwayne has also been involved in IABA since 2014, assisting in efforts to develop an

Actuarial Ambassador Program (AAP) to promote the actuarial profession and foster the development of black actuarial students on college campuses. Dwayne has since established and instituted an AAP program at Florida State University, organizing case studies as well as sessions for students focused on career development and advice, personal branding, soft-skills, etc. In 2018, Dwayne was recently elected to the IABA Executive Board as President. Dwayne is a native of Toronto, ON and has earned a Bachelor's degree in Mathematics, majoring in Actuarial Science from the University of Waterloo.



Shawna Ackerman, American Academy of Actuaries Immediate Past President

Biography: Shawna Ackerman is a member of the American Academy of Actuaries (AAA) and its Immediate Past President. She is a Fellow of the Casualty Actuarial Society (CAS.) Shawna is active in the actuarial profession having previously served as the Vice President, Casualty Practice Council for the AAA, as a member of the CAS Board of Directors and as Co-Chair of the AAA Extreme Events committee. She is the chairperson of the Actuarial Standards Board, Catastrophe Modeling Task Force which is charged with drafting the actuarial standards of practice for using catastrophe models in actuarial work. Shawna is currently the Chief Risk and

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Actuarial Officer for the California Earthquake Authority, which provides residential earthquake insurance to more than 1,000,000 California households and administers the recently created California Wildfire Fund. Prior to joining the CEA, Shawna worked as a consultant. She began her insurance career at the California Department of Insurance.

7-SIS-A: Impact of Climate Change on Vulnerable Populations

Tuesday, August 11 01:00-02:15 p.m.

Moderator and Panelist: Jesse Bell, University of Nebraska Medical Center



Biography: Dr. Jesse E. Bell is the Claire M. Hubbard Professor of Health and Environment in the Department of Environmental, Agricultural, and Occupational Health at the University of Nebraska Medical Center. His research explores the relationships of climate and extreme weather on natural and human processes. He served as a lead author for the U.S. Global Change Research Program report “The Impacts of Climate Change on Human Health in the United States: A Scientific Assessment” that was released by the White House in 2016. Before coming to UNMC, Dr. Bell developed a joint position between the Centers for Disease Control and Prevention and the National Oceanic and Atmospheric Administration. In this role, he led and coordinated a

variety of projects related to climate impacts on human health. He also served on the White House OSTP Pandemic Prediction and Forecast Working Group. Dr. Bell is a Daugherty Water for Food Global Institute Faculty Fellow and adjunct faculty for the Department of Environmental Health at Emory University. His Ph.D. is from the University of Oklahoma.

Maxine Burkett, University of Hawai‘i-Mānoa



Biography: Maxine Burkett is a Professor of Law at the William S. Richardson School of Law, University of Hawai‘i and a Global Fellow at the Woodrow Wilson International Center for Scholars. She is also a Co-Founder and Senior Advisor to the non-profit Institute for Climate and Peace. Burkett is an expert in the law and policy of climate change, with a specific focus on climate justice, climate-induced migration, and climate change, peace, and conflict. Her work has been cited in numerous news and policy outlets, including BBC Radio, the New York Times, the Washington Post, and Nature Climate Change. From 2009-2012, Burkett also served as the

inaugural director of the Center for Island Climate Adaptation and Policy. Prof. Burkett received her B.A. from Williams College and Exeter College, Oxford University, and received her J.D. from the University of California, Berkeley. She serves on the boards of Blue Planet Foundation, The Climate Museum, ELAW, and Global Greengrants Fund, was a member of the Federal Advisory Committee for the Sustained National Climate Assessment and is a member of the Independent Advisory Committee on Applied Climate Assessment. Professor Burkett is also a member scholar of the Center for Progressive Reform, the Lancet Commission for Reparations and Redistributive Justice, and the American Law Institute.

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Marty D. Matlock, University of Arkansas

Biography: Dr. Marty Matlock is Executive Director of the University of Arkansas Office for Sustainability and Professor of Ecological Engineering in the Biological and Agricultural Engineering Department. He is a member of the Cherokee Nation, and has served as Chairman of the Cherokee Nation Environmental Protection Commission for the past 10 years.



Jeniffer Hanna Collado, Dominican Republic

Biography: Dominican, industrial engineer, Fulbright grantee with a master's degree in Science and Climate Policy from Bard College, Center for Environmental Policy in New York, USA. Since 2009, it has been involved in climate change policy in the Dominican Republic, from the analysis, evaluation and monitoring of mitigation and adaptation projects to climate change, facilitating communication between state and non-state actors, such as supporting the Point National Focal Point of the United Nations Framework Convention on Climate Change (UNFCCC). Member of the Delegation of the Dominican Republic at the UNFCCC conferences, lead negotiator of Action for Climate Empowerment (ACE) and capacity building issues. Member of the Paris Capacity Building Committee (PCCB) under the UNFCCC for the period 2017-2020. Contributor to the book "The Paris Agreement on Climate Change: A Legal Analysis and Implementation Guide" by Oxford University Press (OUP), published in 2017. Served as the Head of the Division of Planning and Development at the National Council for Climate Change and Clean Development Mechanism of the Dominican Republic. Currently coordinates the NDC 2020 revision and enhancement process for the Dominican Republic.



Nicolette Elvira Cooley, Northern Arizona University

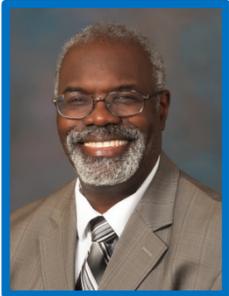
Biography: Nikki is the co-manager for ITEP's Tribal Climate Change Program. She is of the Diné Nation by way of Shonto and Blue Gap, AZ, and is of the Towering House Clan, born for the Reed People Clan, maternal grandfathers are of the Water that Flows Together Clan, and paternal grandfathers are of the Manygoats Clan. Nikki received her Bachelors and Masters of Forestry from Northern Arizona University (NAU) with a few years of post-graduate study at Michigan State University. In addition, as a river guide and cultural interpreter working on the Colorado River-Grand Canyon and San Juan River, Nikki is the co-founder of the Native American River Guide Training Program and Fifth World Discoveries, was the first Native American President and Vice-President of the Grand Canyon River Guides Association (GCRG), and is a former associate director of the Native Voices Program. She is very passionate about advocating for and education about the protection and preservation of the environment and its resources. Nikki thoroughly enjoys gardening, her Navajo language and culture, and spending time with her large extended family in the southwest, Michigan and Iowa.

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7-SIS-B: Being An Actuary

Tuesday, August 11 01:00-02:15 p.m.

Moderator: John Robinson, Life Insurance Regulator, Minnesota



Biography: John W. Robinson FSA, FCA, MAAA is an actuary with the Minnesota Department of Commerce, the state's regulator for insurance. In his spare time, he is President & Chief Actuary of his own firm, Robinson Associates LLC. In his regulatory role, John is responsible for reviewing the actuarial components of the annual statements of the life insurance companies domiciled in Minnesota, and providing actuarial support in the reviews of life insurance and annuity product filings. He also represents Minnesota on various NAIC Committees. John served as president (2010 to 2013) of the International Association of Black Actuaries, and (2013-2016) on the Board of Directors of the Society of Actuaries (SOA). He serves regularly as an SOA exam grader. He

also serves on the Retiree Benefits Subcommittee of the American Academy of Actuaries. John holds a B.Sc. (Special) in Mathematics from the University of the West Indies, Jamaica, an M.S. in Statistics from the University of Delaware and an M.S. in Statistics from the Florida State University.



Mischelle Schweickert, Kaiser Permanente

Biography: Mischelle Schweickert is an Actuarial Manager at Kaiser Permanente in Oakland, CA. She is a health actuary with over 20 years of experience, which include forecasting & variance analysis, provider contracting, cost reserving, trending and financial reporting. Her current focus is on ACA and rate filings, which require constant tracking of regulations (federal and state), potential risks (e.g. COVID, benefits, enrollment practices, etc.), and margin experience to assess expectations and adjust for the next forecast. She also served on the Joint Committee for Career Encouragement and Actuarial Diversity (JCCEAD, now JCIED). She has a

BS in Applied Mathematics from San Francisco State University.



Eric Atwater, Aon

Biography: Eric J. Atwater is a Partner and leader of Aon's Public Sector Retirement practice. In his role as practice leader, he is responsible for client servicing, development of innovative solutions, thought leadership and adherence to professional and overall quality assurance standards. Eric serves, or has served, as consulting actuary and/or account executive to a variety of public entities and specializes in funding and non-traditional solutions for public Pension and Other Post Employment Benefit (OPEB) plans. Mr. Atwater graduated with honors from Georgia State University in 1998, where he received a BBA with a concentration in Actuarial Science. He

is a Fellow of the Society of Actuaries, a Fellow of the Conference of Consulting Actuaries, a Member of the American Academy of Actuaries and an Enrolled Actuary. He has also passed the first two levels of the Chartered Financial Analyst (CFA) exam and is in the process of becoming a charter holder to solidify his understanding of Pension and OPEB plan assets. He's a youth basketball coach and routinely volunteers for a variety of organizations including 7 Bridges to Recovery and the International Association of Black Actuaries. He and his team helped prepare, and deliver,

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over 300 lunches for the homeless. Mr. Atwater is a former board member for IABA and has worked with Atlanta Public Schools, mainly Grady high school, to increase awareness of the actuarial profession.



Jennifer Middough, Liberty Mutual

Biography: Jennifer Middough is a Senior Actuary with Liberty Specialty Markets in Stamford, CT. Her current responsibilities include pricing U.S. Property, Casualty, and Professional Lines treaties as well as providing pricing support for Cyber Liability for Liberty Specialty Markets in London, U.K. Prior to her employment at Liberty, she held various pricing roles at Tokio Millennium Re, PartnerRe, CNA, and St. Paul Re. Jennifer is a Fellow of the Casualty Actuarial Society and a member of the American Academy of Actuaries. She was a Secretary of the International Association of Black Actuaries (IABA) as well as the IABA Foundation

President. Jennifer is also a member of the scholarship committee at her church. A native New Yorker, Jennifer is a graduate of Stuyvesant H.S. and New York University where she received a B.A. in Mathematics. In her spare time, Jennifer enjoys reading, learning how to knit, spending time with her family, and making one pan meals.



Brian Hartman, Brigham Young University

Biography: Brian Hartman's current research interests include Bayesian methods and their applications in actuarial science and risk. He has worked in various capacities with companies in property-casualty, health, and long-term care insurance. He holds a Bachelor's degree in Actuarial Science from Brigham Young University and a PhD in Statistics from Texas A&M University. He is also an associate of the Society of Actuaries. Before BYU, he was a post-doctoral fellow at the University of Waterloo (2010-11) and an assistant professor at the University of Connecticut (2011-15).

8-SIS-A: Climate Finance

Tuesday, August 11 02:30-03:45 p.m.

Moderator: Thomas Singh, University of Guyana



Biography: I am a microeconomist whose general interest is understanding and enhancing voluntary cooperation and collective action in social dilemmas; and understanding the interaction of formal rules and social forces in securing behavioral change and promoting social order. My specific interests and expertise are in (1) interpersonal trust, social interactions, and the role of informal institutions such as norms, conventions and culture in shaping individual behavior (2) environmental economics, low carbon growth and climate change and (3) public economics, political economy, institutional economics and economic sociology. Methodologically, my research draws on non-cooperative game theory (especially coordination games), experimental economics

and microeconometrics. In pursuit of my research interests, I have established, from scratch, an experimental economics laboratory at the University of Guyana, for the study of economic behavior and low carbon growth. I am an experienced teacher with a passion for seeing my economics students learn in three dimensions: That they master the core,

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foundation concepts and skills; they learn the technical material; and they learn to 'think like an economist' by developing their economic intuition. I am innovative in my teaching methods, using experiments in my classes, emphasizing problem solving and policy analysis, and encouraging students to think about 'real world' applications.



Michael A. Goldstein, Babson College

Biography: Michael A. Goldstein is a Professor of Finance at Babson College, where he holds the Donald P. Babson Chair in Applied Investments and serves as Faculty Director of the Master of Science in Finance program. Dr. Goldstein's research specialties are market microstructure and climate change and has published in major finance and science journals. He is an Editor at *Weather, Climate, and Society* (a journal of the American Meteorological Association) and was recently chosen as the next Editor of *The Financial Review*, as well as being an Associate Editor at a number of journals. Dr. Goldstein currently serves as Chair of the Financial Regulatory

Authority (FINRA) Economic Advisory Committee, and was formerly Chair of Nasdaq's Economic Advisory Board and was the Visiting Economist at the New York Stock Exchange. He is Chair of the Trustees and immediate past-President of the Eastern Finance Association. He has also served as a member of US SEC roundtables on fixed income markets (2013), market structure (2010) and on decimalization (2000). He has received three U.S. National Science Foundation grants on Arctic climate change. Dr. Goldstein received a B.S., an M.B.A., an M.A., and a Ph.D. in Finance from the Wharton School at the University of Pennsylvania.



Steve Kolk, Kolkulations LLC

Biography: Steve Kolk is president of Kolkulations LLC, an actuarial consulting firm that deploys data mining, predictive modeling, and geospatial technology to assist clients with financial risk analytics. He has 40+ years of a Property & Casualty (P&C) actuarial experience. He has been chief actuary at three companies, including global real estate data & analytics company, CoreLogic. Steve is an active member of the Climate Change Committee of the North American Actuarial Societies, which constructed the Actuaries Climate Index (ACI). The ACI was launched in 2016 as a public index to provide objective data about changes in the frequency of extreme

climate events over recent decades. Steve is Vice Chair of the American Academy of Actuaries' P/C Extreme Events and Property Lines Committee and in-coming Chair of the Casualty Actuarial Societies' Climate Change Committee. As a volunteer advisor to the U.S. Department of Transportation, he co-authored the award-winning report, Hampton Roads Climate Impact Quantification – Baseline Assessment in 2016. A Michigan native, he graduated with honors from Calvin College in Grand Rapids with a B.A. in mathematics.

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Didier Serre Ruah, Analysis Group

Biography: Didier Serre is a Canadian actuary with a drive for social, environmental, and educational initiatives. Didier supports data-driven solutions in insurance, and specializes in quantifying the impact of global risks and uncertainty onto long-term sustainability, and evaluating alternatives to traditional valuation and payment models to address emerging risks. His mission: working towards assessing and mitigating climate risks, strengthening risk management practices, and better protecting vulnerable populations from natural disasters to build a more resilient future for everybody. One of Didier's main interests lies in the application of machine learning and AI onto climate, sustainable finance and property risk (real estate, agriculture, natural infrastructure). Didier currently sits on the working group on climate change and sustainability of the Canadian Institute of Actuaries.



Rade Musulin, Finity Consulting

Biography: Rade Musulin is a Principal at Finity Consulting in Sydney, Australia, where he leads the Climate Risk practice. Previously he served as the Chief Executive Officer of FBAlliance Insurance, Chief Operating Officer of Aon Benfield Analytics Asia Pacific, and Vice President Operations, Public Affairs, and Reinsurance for the Florida Farm Bureau Insurance Companies. Rade serves as Convener of the Actuaries Institute of Australia's Climate Change Working Group, Vice-Chair of the International Actuarial Association's Resource and Environmental Working Group, and was Vice President – Casualty for the American Academy of Actuaries from 2016 – 2018. He has a long history of volunteer service, including roles with the Actuaries Institute of Australia, American Academy of Actuaries, Casualty Actuarial Society, and International Actuarial Association. He is a past Chair of the Board of the Florida Insurance Council and of the Advisory Council of the Florida Hurricane Catastrophe Fund. His main areas of interest include how changing population demographics affect catastrophe exposure, climate change adaptation, applications of catastrophe models for disaster planning in developing countries, building code development, and community resilience. Rade has maintained close ties with academic institutions, including being a lecturer for undergraduate classes in actuarial science, risk management, and political science.

8-SIS-B: The Impact of COVID-19 on Health Care Utilization: Commercial, Medicare, and Medicaid

Tuesday, August 11 02:30-03:45 p.m.

Moderator: Gopi Shah Goda, Stanford University



Biography: Gopi Shah Goda is a Senior Fellow and the Deputy Director at the Stanford Institute for Economic Policy Research (SIEPR) at Stanford University. Gopi is also a Faculty Research Fellow at the National Bureau of Economic Research, and a Fellow of the Society of Actuaries. She conducts research on issues primarily related to the economics of aging in the United States that inform economic policymaking. Her recent research studies include an examination of perceptual and behavioral biases and their relationship with retirement saving decisions and the effects of long-term care insurance on family members' work and location decisions. Her work has appeared in a variety of leading economics journals, and has been

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supported by the Social Security Administration, the National Institutes on Aging, the Alfred P. Sloan Foundation and the TIAA Institute. Prior to joining SIEPR, she was a Robert Wood Johnson Scholar in Health Policy Research at Harvard University. She earned her PhD in economics from Stanford University in 2007 and her B.S. in mathematics and actuarial science from the University of Nebraska – Lincoln in 2000.



Steven Konnath, Blue Cross & Blue Shield of Nebraska

Biography: Steve Konnath is vice president, actuarial, underwriting and data analytics for Blue Cross and Blue Shield of Nebraska (BCBSNE). In his role, he is responsible for leading his team in producing innovative, market-leading and efficient pricing and underwriting solutions for BCBSNE, as well as assisting the organization in aligning our strategic approach to insight-driven insurance. Prior to joining BCBSNE, Steve served as the actuarial director for Aetna. Before that, he held several leadership positions at Physicians Mutual. Steve is active in the community, having served as president and chairman of the board of the Nebraska Actuaries Club. He is a

graduate of the Omaha Chamber of Commerce's Leadership Omaha Class 33 and the Nebraska Chamber's Leadership Nebraska Class XI. He has also held several past leadership roles with the Society of Consumer Affairs Professionals, the Southwest YMCA and the Society of Actuaries. Steve enjoys spending time with family and friends, listening to music, house renovation projects, and hunting. Steve has a bachelor's of science in mathematics with minors in actuarial science, computer science and economics. He is a member of the American Academy of Actuaries and is a Fellow of the Society of Actuaries



Sabrina Gibson, Centene

Biography: Sabrina Gibson is a Vice President and the Chief Medicaid Actuary for Centene Corporation. She is a Fellow of the Society of Actuaries and a Member of the American Academy of Actuaries and has worked as a health care actuary for over 20 years and a Medicaid actuary for 14 years mostly with a health plan but also as a consulting actuary. She has experience with Medicaid and CHIP programs in 29 states.

Sabrina is a graduate of the University of North Carolina at Greensboro with a major in Mathematics. She is an active member of the American Academy of Actuaries Medicaid workgroup and was on the committee that developed the Actuarial Standard of Practice on Medicaid Managed Care Rate Setting. She is active with the Society of Actuaries as a presenter of current Medicaid topics at actuarial meetings and on webinars. Sabrina also co-developed a model to develop the underwriting gain component for Medicaid managed care capitation rates.

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Erik Anderson, Humana

Biography: Erik Anderson is director of financial planning and analysis in the Provider Process and Service organization at Humana in Louisville, Kentucky. In this role, Erik is responsible for monitoring changes in the claim processing operations and acts as the liaison to the corporate actuarial and finance teams. The cross-functional effort allows Humana to better estimate reserve liabilities and projected incurred claims. Prior to his current role, Erik led teams in the Risk Adjustment, Healthcare Economics and Corporate Finance areas at Humana. Before joining Humana, Erik had a variety of health actuarial roles at Principal Financial Group in Des Moines, Iowa and Mutual of Omaha in Omaha, Nebraska.

Erik received his undergraduate degree in mathematics at the University of Pennsylvania and his Masters in Business Administration from Auburn University.

9-SIS-A: Medicaid Deep Dive: The Impact of COVID-19 on Medicaid Enrollment, Access, and Key Services for People with Disabilities

Tuesday, August 11 04:00-05:15 p.m.

Moderator: Mary Hegemann, Wakely



Biography: Mary Hegemann, FSA, MAAA, is a Principal and Senior Consulting Actuary with Wakely Consulting Group in Denver, Colorado. She has over 20 years of actuarial experience in the health care field, 18 of which have been spent consulting a variety of Medicaid clients including states, plan associations, and individual managed care organizations. This has included setting actuarially sound capitation rates, assistance with implementation of directed payments to providers, and risk adjustment implementation. She has extensive experience with public programs including Commonwealth Care in Massachusetts, Medicare Advantage, Medicaid, ACA reform, and safety net programs for low-income populations. Mary also certifies rate filings for individual and small group commercial products.

individual and small group commercial products.



Julia Lerche, NC Medicaid

Biography: Julia Lerche, FSA, MAAA, MSPH is a health actuary and health policy professional dedicated to improving the health of vulnerable populations. Julia currently serves as the Chief Strategy Officer and Chief Actuary for the North Carolina Department of Health and Human Services, Division of Health Benefits, where she leads Medicaid policy development and analysis, including designing North Carolina's Medicaid transformation to managed care, provider payment innovations, and initiatives to address social determinants of health. Prior to working at Medicaid, Julia spent five years in public and private sector organizations advising state policymakers on implementation of the Affordable Care Act (ACA).

In addition to being an actuary, Julia holds a Master's degree in Public Health from UNC-Chapel Hill and has worked at both the NC Office of Rural Health and the NC Institute of Medicine on issues related to access to care for underserved populations in North Carolina. Julia also has eight years of experience providing health care and other benefits consulting to large employers.

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Ellen Breslin, Health Management Associates

Biography: ELLEN BRESLIN, MPP, principal, has worked in health care for more than three decades, holding key positions as a state budget analyst with the Massachusetts House Ways and Means Committee, as a principal analyst with the Congressional Budget Office, and as the director of managed care reimbursement and analysis for the MassHealth program. At MassHealth, she developed the financing arrangements for managed care and integrated care plans, establishing capitation rates to advance rebalancing and selecting the state's first risk-adjustment system for health plans. At the Congressional Budget Office, Ellen developed policy options and wrote testimony for the Congress. As a consultant, she has taken on large quantitative and qualitative projects for states, health plans, and providers. Her work ranges from building financial models for states and providers to conducting data-intensive analyses to measure health disparities in Medicaid populations. Ellen has prepared many reports, issue briefs and chart packs on a range of topics from financing for integrated programs for dually eligible individuals to health equity for Medicaid populations. Throughout her career, she has worked with behavioral health and long-term service and supports (LTSS) providers, community-based organizations (CBOs), accountable care organizations (ACOs), health plans, state Medicaid programs, national experts, and consumers with lived experience of disability. Ms. Breslin earned her master's degree in public policy from Duke University. She is a member of the board for the Disability Policy Consortium in Massachusetts, a consumer-run organization.



Allison Orris, Manatt Health

Biography: Allison Orris is counsel with Manatt Health in the Washington, D.C., office. Allison has deep experience in Medicaid, the CHIP, and the Affordable Care Act. She regularly advises hospitals, states and national association clients about the impact of emerging Medicaid legislation, regulations and subregulatory guidance, bringing her health policy expertise and familiarity with administrative and legislative processes to bear in helping clients respond to the changing healthcare landscape. She also counsels hospital systems about Medicaid reimbursement and supports state clients in the development and negotiation of Medicaid 1115 demonstrations with the Centers for Medicare & Medicaid Services (CMS). Since the emergence of the COVID-19 pandemic, she has actively analyzed federal legislation and guidance, advising clients on issues related to Medicaid and Medicare flexibilities, the CARES Act Provider Relief Fund, and other federal funding. Prior to joining Manatt, Allison served as the Associate Administrator of the Office of Management and Budget's Office of Information and Regulatory Affairs and in various Medicaid policy roles at CMS. While at CMS, she led negotiations regarding Medicaid expansion and delivery system reform waivers and also focused on matters related to Medicaid and CHIP eligibility and financing as well as implementation of the Affordable Care Act.

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9-SIS-B: Impact of COVID-19 on P&C Markets: North America and International

Tuesday, August 11 04:00-05:15 p.m.

Moderator and Panelist: Ian Sterling, KPMG



Biography: Ian is a Managing Director in KPMG's Risk Advisory Solutions – Actuarial practice with 18 years of actuarial experience with consulting organizations. Ian has performed a variety of actuarial work covering all property & casualty lines of business for insurance, reinsurance, government and corporate companies in both an audit (GAAP, statutory, international accounting) and non-audit advisory capacity. He has also served several leadership roles and been involved in significant thought leadership. Ian has extensive experience in various areas including supporting companies across the globe, notably United States, Bermuda, United Kingdom, and Australia. His areas of focus and expertise include reserving, leading advisory and audit

engagements, including serving as the Appointed actuary for several regional and global companies. Ian has written and published articles on topics including robotics and automation, the changing actuarial role, actuarial transformation, and financial impact considerations from COVID-19.

Bill Van Dyke, Deloitte



Biography: Bill is a Specialist Leader within the Actuarial & Insurance Solutions practice of Deloitte Consulting LLP. Bill is an Associate of Casualty Actuarial Society, a Member of the American Academy of Actuaries and has 24 years of actuarial experience. In Bill's 20 years in the consulting/audit field he has built extensive experience in managing and performing unpaid claim reserve and pricing analyses for numerous lines of business for insurers, reinsurers and self-insured corporations, including auto liability, general liability, professional liability, property, surety and workers compensation. Bill is also highly experienced in the evaluation of asbestos liabilities

and other mass torts. Before joining Deloitte, Bill spent four years at large multi-line commercial insurance company with numerous actuarial responsibilities, including the evaluation and management of property catastrophe exposures. Bill co-authored "*Workers' Compensation Comes of Age*" published in Contingences Magazine and has presented at the Casualty Loss Reserve and Reinsurance Seminars on multiple occasions. In April 2020, Bill co-authored the Deloitte publication "*COVID-19 Impact to Property & Casualty Insurance, Actuarial Perspective on 2020 Loss Reserves and Future Pricing*"

Brian Fannin, Casualty Actuarial Society



Biography: Brian Fannin has been an actuary for over 20 years. The data lack sufficient credibility for him to give a more precise estimate. Brian has been an Associate of the CAS since 2002 and a Certified Specialist in Predictive Analytics (CSPA) since 2017. He has worked in a variety of roles in commercial insurance, both primary and excess, here in the US as well as Europe, London and Asia. An early proponent of R, he has taught various workshops and seminars for the CAS, Actex and insurance clients. He joined the staff of the CAS in March of 2018 as Research Actuary. His focus is to enable CAS committees and research partners to work

efficiently in developing relevant, practical content.

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Volker Kudzusz, S&P Global

Biography: Volker Kudzusz is a Senior Director with S&P Global Ratings' in Frankfurt. As Sector Lead for insurance ratings in EMEA, he is part of the analytical teams for Allianz, Prudential, Sampo, Talanx, and Zurich. He is co-chairing the Global Multiline Insurance focus team, coordinating the analysis of the global "top 12" primary insurers. Volker is also co-chair of S&P Global Ratings' IFRS 17 task force. Within his role, Volker is a specialist for hybrid bond issues of European insurers. Before joining Standard & Poor's in 2012, Volker has been responsible for insurance globally for Deka Investment's equity asset management for 5 years. Before Volker

worked 8 years in Insurance Equity Research and Insurance Asset Management with WestLB group in Düsseldorf. Volker holds a diploma in mathematics and physics of University of Münster.



Jefferson Gibbs, KPMG

Biography: Jefferson is a Senior Partner at KPMG. He is the Senior Vice President of the Institute of Actuaries of Australia and will be president in 2021. The Australian Actuarial Institute is has a number of active working groups looking at the impact of COVID. Jefferson is leading the work looking at risk margin impacts for General Insurers- which sits on top of the many other impacts and judgements we are navigating. Jefferson's career started in a broad consultancy in New Zealand in 1991. He moved to the UK in 1996 to pursue General Insurance and to complete his London Institute studies. With a career spanning almost 30 years across three countries

Jefferson has accumulated a wide experience base. He has been involved in projects in over 20 insurance jurisdictions around the world. He has a curious minds and presents regularly on a wide range of topics, including the role of actuaries in areas of mental health, motor vehicle safety and claims outcomes and panels looking at Trust in the financial services sector.

10-SIS-A: Micro-Insurance: Case Studies and Lessons Learned

Wednesday, August 12 7:30-8:45 a.m.

Moderator: Luis Arcila, MAPFRE – Peru



Biography: LUIS D. ARCILA is a Life insurance director, who has been working at the Insurance industry since 2000 with 20 years of experience. Actually is Leading a life insurance company in Perú; Company who won during the last three (3) years the award "Best Life Insurer" in Peru at the Global Insurance Awards (2019, 2018, 2017). Inside the company is responsible of multiple lines of business like life Insurance (traditional and investment product), bank insurance, massive life products, term annuities and go on. Luis is a native of Colombia. He obtained his B.S. in Management Engineering in 2002, graduate degrees as a Specialist in Financial Engineering in 2006 and as a Specialist in Statistics in 2008, then completed his Masters Degree in Actuarial

Science at University of Nebraska-Lincoln in 2010.

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**Lisa Morgan, ILO**

Biography: Lisa is a Technical Officer at the ILO's Impact Insurance Facility. She provides expertise on health insurance in the public and private sectors. She has two decades' experience in actuarial and related work in Europe, Africa and Asia. Before joining the ILO, Lisa worked in Milliman's London Health Practice and at PricewaterhouseCoopers in the Actuarial Benefits and Insurance team. Lisa has worked on many health insurance and related projects, including those supporting Pakistan's Sehat Sahulat Program, the UK's NHS, Bupa Global, Tawuniya Health, SimplyHealth, Vitality (PruHealth), Exeter Friendly Society, VHI Healthcare, AXA, Britam and

others. More recently Lisa has been working on the inclusive insurance agenda in Pakistan, Nigeria, Ghana, Kenya and Indonesia. Lisa is a qualified health actuary and Fellow of the Institute and Faculty of Actuaries in the UK. She has a Diploma in Actuarial Management from Cass Business School, London and a BSc in Actuarial Science from the University of the Witwatersrand, South Africa.

**Katharine Pulvermacher, MicroInsurance Network**

Biography: Katharine is the Executive Director of the Microinsurance Network, a unique global platform that brings together stakeholders from across the inclusive insurance value chain. The Network aims to reduce the vulnerability of the world's unserved and underserved households by improving their capacity to manage risk and extending access to appropriately designed insurance services. A development economist specialised in Africa, Katharine has a background in investment marketing, research and strategy consulting, and managing member-based

organisations. In 2010, the Economist Group invited her to run its new Africa Business Group in Johannesburg. Katharine holds an MSc in Economics with Reference to Africa, which she obtained with distinction from the London School of Oriental and African Studies, and a BA in Social Science and Humanities from the University of Cape Town.

**Richard Leftley, MicroEnsure**

Biography: Richard started working on micro insurance in January 2002 when he joined Opportunity International a leading microfinance provider from Benfield Greig (now Aon Benfield), a global reinsurance intermediary. At Benfield he worked as a reinsurance broker responsible for the African account and worked in a team covering the Middle East and South East Asia. Richard pioneered the introduction of insurance products within the Opportunity Network which lead to the establishment of MicroEnsure in 2006. As a leading insurance intermediary for the mass market, MicroEnsure provides life, health and weather index insurance to over 60,000,000 people in 16

countries in Africa and Asia. In July 2020 MicroEnsure merged with STP Risk and Tonka BI to form "The Micro Insurance Company". Richard also served on the steering committee of the ILO "Micro Insurance Innovation Fund" a \$35m fund provided by the Gates Foundation and has served as a member of the Micro Insurance Network Board.

www.microinsurance.com

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Saurabh Sharma, MicroInsurance at Britam

Biography: Saurabh is passionate about using insurance as a tool to protect vulnerable communities and has worked for more than 8 years in this space in South Asia and East Africa. He is currently the General Manager for Microinsurance at Britam Kenya. In this role, he is responsible for developing and scaling up insurance solutions to reach underserved customers. During his tenure, Britam has been the largest Microinsurance provider in Kenya reaching more than one million lives. Before Britam, Saurabh was an Impact Insurance Fellow at the UN International Labor Organization. Saurabh is an MBA from IRMA in India. In his free time, he likes road trips or discussing which is the best Star Wars movie.

11-SIS-A: Agriculture Insurance

Wednesday, August 12 10:15-11:30 a.m.

Moderator and Panelist: Cory Walters, University of Nebraska-Lincoln



Biography: Cory Walters is an Associate Professor in the Department of Agricultural Economics at the University of Nebraska. Dr. Walters research focuses on the influence of the Federal Crop Insurance program on producers' decisions, including intended as well as unintended consequences, the environment and the how insurance has reshaped the agricultural industry. While at the University of Nebraska, Dr. Walters received the Dinsdale Family Faculty award and the Excellence in Extension Team award from the Institute of Agricultural and Natural Resources here at the University of Nebraska, and the Outstanding Extension Program award and Outstanding Journal Reviewer award from the Western Agricultural Economics Association. Dr.

Walters grew up on a farm in Montana where he is still involved. Many of the issues Dr. Walters has investigated begun from issues identified from working on the farm and visiting with other producers.



Kwasi Etu-Bonde, Agribusiness and Rural Development Consultant

Biography: Mr. Kwasi Etu-Bonde, is the Honourable Member of Parliament of Ghana for Kintampo North Constituency. He is an Agribusiness and Local Economy Development Consultant by profession and a practising farmer. He holds Executive Masters in Business Administration from Ghana Institute of Management and Public Administration-2004 and B.Sc. in Agriculture from University of Ghana-Legon-1996. After the B. Sc. Programme, he did a two-year extensive Graduate Management Development Programme in Agribusiness Value Chain and Contract Farming Development and Management organised by British American Tobacco Plc. UK

worldwide, dubbed the "CHALLENGE INITIATIVE"-1997 to 1999. He also participated in Six-month Post-graduate Farm Management Training in Commercial Horticulture Production and Export Management organised by AMEX International Inc. during the USAID/GoG Trade & Investment Programme implementation. He participated in Commercial Development of Farmer-based Organisation Certification and Trainings implemented by Millennium Development Authority Ghana under the Ghana-USA Millennium Challenge Account Compact. As Agribusiness and Local Economy Development Advisor at Sustenance Agro Ventures involves leading the businesses in their agricultural inputs and

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mechanization services; produce processing, storage and marketing linkages; plantation development & management and general agribusiness consultancy. Our main clients were/are Ghana Ministry of Agriculture's Root and Tuber Improvement and Marketing Programme-Ghana, as Value Chain Technical Service Provider; German Agency for International Cooperation, as Local Expert for mid-Ghana Mango Agribusiness Development Manager; International Institute for Tropical Agriculture, Food & Business Applied Research Fund-Netherlands, SKY-3 Out-growers Cooperative etc.



Colby D. Duren, University of Arkansas

Biography: Colby is the Director of the Indigenous Food and Agriculture Initiative at the University of Arkansas' Office of the Vice Chancellor for Economic Development (IFAI). He previously served as Policy Director and Staff Attorney for IFAI since 2017. Colby has 13 years of experience in federal Indian law and policy, with a specific focus on food, agriculture, nutrition, natural resources, and economic development, which includes work on three Farm Bills. Prior to joining IFAI, he worked as Staff Attorney and Legislative Counsel for the National Congress of American Indians (NCAI), the Native American Rights Fund (NARF) Washington, DC office, and

OFW Law. Colby earned his law degree from the American University Washington College of Law in 2012 and his Bachelor of Arts from Vassar College in 2006. In 2016, Colby was nominated by the Native American Bar Association of Washington, DC for its Significant Contribution in Indian Law Award for his work on environmental issues in Indian Country. He was also recognized by the Intertribal Agriculture Council membership in December 2018 for his work supporting Tribal governments and Tribal producers in the development of the 2018 Farm Bill.



David Hennessy, Michigan State University

Biography: David A. Hennessy is Elton R. Smith Professor of Food and Agricultural Policy at Michigan State University. His research, teaching and outreach interests concern production agriculture and its interfaces with risk management, industry organization, the environment, and information management. Specific interests include animal health management, cropping systems and technology adoption, land use decisions and policy, crop insurance and other risk management choices, and behavioral economics in agriculture. Recent grant-funded research endeavors have included efficient use of easement and related property management tools for

conservation management, decision-making processes underlying demand for crop insurance contracts, how crop seed technologies affect tillage cultivation practices, and the role of seed in crop protection. His programs emphasize the integration of microeconomic theory with empirics. Hennessy previously served on faculty at Washington State University and at Iowa State University. He received his Bachelor and Master of Agricultural Science degrees from University College, Dublin and his PhD in Economics from Iowa State University. Hennessy has published widely in professional journals. Named a Fellow of the Agricultural and Applied Economics Association in 2010, he was co-editor of the *American Journal of Agricultural Economics* for volumes 93-96 (2011-2014). Children's activities, reading and walking occupy his spare time.

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George Kuria, ACRE Africa

Biography: George Kuria is the CEO, ACRE Africa, a service provider enterprise that links farmers to insurance products and risk mitigation solutions so that they can confidently invest in their farms. As ACRE Africa CEO, George provides strategic and managerial leadership to achieve revenue, profit and business growth. He also takes the lead in helping ACRE Africa achieve its mission to provide farmers with appropriate agri-insurance solutions and other climate smart agricultural technologies in order to shield them against weather-related risks. Previously, George worked at Sanlam of Insurance where he was Chief Executive Officer of General

Insurance. He has over 18 years' experience in a range of senior roles in the insurance industry. He holds an MBA from Strathmore Business School, a Bachelor in Commerce (Insurance) from the University of Nairobi, and a Diploma from the UK's Chartered Institute.



Collin Olsen, US RMA Topeka

Biography: Collin Olsen is the Director of the Topeka Regional Office of the USDA-Risk Management Agency, a position he has held since 2019. Collin started his USDA career as a Risk Management Specialist in the Topeka Regional Office in 2006 and held the position of Deputy Director from 2013-2019. Prior to that, Collin worked for the Kansas Department of Agriculture – Division of Water Resources in the floodplain program. Collin started his professional career as the precision agriculture division leader for a large regional farmers cooperative in Northwest Iowa. Collin earned a bachelor's degree from South Dakota State

University and a Master's Degree from Kansas State University, both in agronomy with a focus on soil fertility. Collin and his wife Jamie live on a small farm near Dover KS with their two boys, Connor and Ryan.



Tara Chiu, University of California Davis

Biography: Tara Chiu provides administrative and strategic support for a wide portfolio of research projects focused on poverty, food security, improved technology adoption and risk management and resilience. This includes the Index Insurance Innovation Initiative (I4). She conducts high-impact outreach to integrate research findings for more effective, evidence-based public policy and development programming. She regularly consults on index insurance implementation and scaling for national governments and NGOs. She was a Peace Corps volunteer in The Gambia and holds a B.A. in Political Science from American University and a

Master of Public Policy from Duke University.

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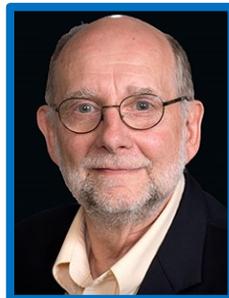
11-SIS-B: Professionalism: Being an Actuary - Beyond the Mathematics

Wednesday, August 12 10:15-11:30 a.m.

Moderator: Sarah Christiansen, Insurance Strategies Consulting



Biography: Sarah is a research actuary with specific experience in creating, developing, and maintaining mathematical models, and in designing original user friendly APL software tailored to the needs of the specific user. She has a reputation for quality work. In addition she has been a speaker at professional meetings. Her experience includes dividend analysis, X-factor validation and financial review work for insurance regulators. Sarah has the necessary experience and education (basic and continuing), per the Academy of Actuaries Qualification Standards for Prescribed Statements of Actuarial Opinion, to render a public statement of actuarial opinion.



Warren Luckner, University of Nebraska(Emeritus)

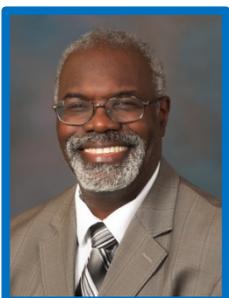
Biography: Warren R. Luckner, is a Fellow of the Society of Actuaries, and University of Nebraska Emeritus Professor. Warren began his actuarial career as a life insurance actuary. After attaining Fellowship, Warren served on the faculty of Nebraska's Actuarial Science program for 9 years, during which one of the classes he taught was Actuarial Roles and Ethics. He left Nebraska to serve on the staff of the Society of Actuaries, where he served in various education, research, and professionalism capacities. Warren returned as Director of UNL's Actuarial Science Program in 2003 and helped develop a professionalism module in Nebraska's capstone course,

Actuarial Applications in Practice. After retiring, Warren moved from the "Good Life" state of Nebraska to the state of mosquitos, snow, and cold (aka Minnesota), to take on the challenge of keeping up with three active grandchildren, their parents and two dogs. In retirement, Warren has served regularly as a Facilitator for the Society of Actuaries Associateship Professionalism Course and Fellowship Admissions Course, but not yet in that capacity in the new virtual reality! Warren is pleased to note that he has already accomplished his main retirement goal. (HINT: He is a native of the northwest side of Chicago.)

11-SIS-C: New Tools New Opportunities

Wednesday, August 12 10:15-11:30 a.m.

Moderator: John Robinson, Life Insurance Regulator, Minnesota



Biography: John W. Robinson FSA, FCA, MAAA is an actuary with the Minnesota Department of Commerce, the state's regulator for insurance. In his spare time, he is President & Chief Actuary of his own firm, Robinson Associates LLC. In his regulatory role, John is responsible for reviewing the actuarial components of the annual statements of the life insurance companies domiciled in Minnesota, and providing actuarial support in the reviews of life insurance and annuity product filings. He also represents Minnesota on various NAIC Committees. John served as president (2010 to 2013) of the International Association of Black Actuaries, and (2013-2016) on the Board of Directors of the Society of Actuaries (SOA). He serves regularly as an SOA exam grader. He

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also serves on the Retiree Benefits Subcommittee of the American Academy of Actuaries. John holds a B.Sc. (Special) in Mathematics from the University of the West Indies, Jamaica, an M.S. in Statistics from the University of Delaware and an M.S. in Statistics from the Florida State University.



Sam Wehner, Actuarial Resources Corporation

Biography: Sam Wehner, ASA, MAAA, is an artificial intelligence consultant and systems actuary at Actuarial Resources Corporation with over 19 years of experience in software, primarily in the mathematical modelling space. To date, he has accumulated experience in various industries, including insurance, oil and gas, medical, fashion, architecture, agriculture, retail, manufacturing, legal, and education. His recent activity has been focused on computer vision and voice technologies, symbolic data modelling, and implementing GAAP long duration targeted improvements. Sam is a member of the University of Central Missouri's Actuarial Program

Advisory Board, as well as UCMO's Statistics Program Advisory Board. He is also a member of the Development Committee for the Modelling the Future Challenge competition put together by the Actuarial Foundation. He enjoys teaching coding concepts to people of all ages, but especially to the younger generations. Sam is an avid woodworker who creates furniture and musical instruments for his household and enjoys going on road trips with his wife and kids.



Ronald Richman, QED Actuaries & Consultants

Biography: Ron is an experienced actuary and risk manager, currently an Associate Director at QED Actuaries and Consultants, Africa's largest independent actuarial consulting firm, where he is responsible for client work on life and general insurance clients and performing research into applications of machine learning and AI to actuarial and insurance topics. Before his current role, he led the Enterprise Risk Management and Actuarial Functions for the AIG group within Africa. Ron combines deep technical and commercial expertise within the P&C and Life insurance sectors with a view of the cutting-edge possibilities enabled by modern machine and deep

learning and has published several papers showing how these techniques can be applied. Ron is a Fellow of the Institute and Faculty of Actuaries (IFoA) and the Actuarial Society of South Africa (ASSA), holds practicing certificates in Short Term Insurance and Life Insurance from ASSA, and a Masters of Philosophy in Actuarial Science, with distinction, from the University of Cape Town. Ron chairs the Actuarial Society of South Africa's ERM committee and is a member of the Institute and Faculty's Research and Thought Leadership Board.



Mike Ludkovski, University of California Santa Barbara

Biography: Mike Ludkovski is Professor and Chair at the Department of Statistics and Applied Probability at University of California Santa Barbara where he co-directs the Center for Financial Mathematics and Actuarial Research. Among his research interests are stochastic modeling, quantitative finance, energy markets, and applications of machine learning in longevity and non-life insurance. He was the chair of the scientific committee of the 2014 ARC and a co-recipient of the 2018 Brockett and Shapiro Actuarial Journal Award.

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12-SIS-A: Blockchain/Smart Contracts

Wednesday, August 12 01:00-02:15 a.m.

Moderator: Petar Jevtic, Arizona State University



Biography: Petar Jevtić is an Assistant Professor at the School of Mathematical and Statistical Sciences, Arizona State University, USA. He previously held an Assistant Professor position at the Department of Mathematics and Statistics, McMaster University, Canada, where he also completed his Postdoctoral Fellowship. He received a Ph.D. degree in Economics, with a specialization in Mathematics and Statistics, from the School of Management and Economics, University of Turin, Italy. During this Ph.D., he was a visiting scholar at the Wharton School, University of Pennsylvania, and Temple University, USA. He holds a M.Sc. degree in Economics from Faculty of Economics, University of Belgrade, Serbia, and Dipl. Ing. degree in Computer

Science and Engineering from the School of Electrical Engineering, University of Belgrade, Serbia. His research focus is on the modeling of risk with primary applications in Actuarial Science and Math. Finance.



Melanie J. Cutlan, Accenture

Biography: Melanie is a managing director and global co-lead of Accenture's Blockchain and Multiparty Systems practice. As part of the Tech Innovation leadership team, she is also responsible for exploring and developing technologies focused on supply chain, supply chain finance & operations, including advising on investments and acquisitions. Throughout her 20-year career at Accenture, she has led large scale transformations for Fortune 500 companies across a range of industries, including products, health and financial services. Melanie also built and ran Accenture's Tech Garage, advising operations executives on the strategies by which to bring

forward the next generation of emerging technologies. Melanie is on the board of the Colorado Technology Association, bringing her global insights to help create a thriving technology community in Colorado. She has been quoted in publications including the Silicon Republic, CoinDesk, Irish Independent, PYMNTS.com, BrandLab, and LedgerInsights. Melanie is a gifted and sought-after speaker, helping to bring complex topics to life at events including Consensus, Hyperledger Global Forum, SIBOS, Global Blockchain Summit, International Association of Outsourcing Professionals, International Women's Day, and Women in Technology. Her upcoming publications include Build Resilience Together: Co-innovate to Outsmart an Uncertain Future and Building Trust in a Digital World (both publishing early fall.)



Asha Vellaikal, Marsh Digital

Biography: Asha Vellaikal is Managing Director & Global Head of Digital Labs for Marsh, part of Marsh & McLennan Companies, with responsibilities for building the Labs and leading the innovation strategy to enable the next-generation of Insurance and risk management products. Her primary focus areas include enabling disruptive business models using advanced technologies, supporting digital culture transformation and identifying mitigation strategies for emerging risks. Since founding in 2017, Marsh Digital Labs has pioneered multiple initiatives including the Risk Exchange blockchain for trade credit partnering with global clients and carriers, enterprise-grade conversational AI platforms as well as IoT pilots with Insurtech companies. Previously, Asha was at

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Orange Silicon Valley as Director of Strategy and Innovation. She has also worked in research, system architecture and engineering management positions at various other startup and Fortune 500 companies. Asha holds a B.Tech from IIT Bombay and a Ph.D. in Electrical Engineering from USC.



David Riker, Multisided Ventures

Biography: David Riker is Managing Partner at Multisided Ventures, an InsurTech Accelerator that works with global (re)insurers and startups to bring new products to market. He serves as a Board Advisor to B3i Services, the Zurich-based insurance blockchain platform. Mr. Riker has 20+ years leading the development and management of insurance and risk management technology startup ventures for private equity and Fortune 100 companies. Prior to Multisided he founded BlueLine Grid, an emergency management communications company that was sold in 2018. Mr. Riker previously served as the Chief Executive Officer of Storm Exchange, Inc., a venture-backed

weather risk startup helping agriculture and retail clients minimize the financial impact of climate risk. He also served as Vice President of M&A and Products at Marsh & McLennan Companies and Chief Technology Strategist for Travelers. Early in his career, he was Founding Chief Executive Officer of eCoverage, the first company to sell, price and service auto insurance exclusively on the Internet.



Gary Marchant, Arizona State University

Biography: Gary Marchant is Regents' Professor and Lincoln Professor of Emerging Technologies, Law & Ethics, and Faculty Director of the Center for Law, Science & Innovation, at the Sandra Day O'Connor College of Law, Arizona State University (ASU). His degrees include a Ph.D. in genetics (University of British Columbia), a J.D. in law (Harvard Law School), and a M.P.P. in public policy (Kennedy School of Government). He teaches, researches and speaks about the governance of a variety of emerging technologies, including biotechnology, genomics, neuroscience, nanotechnology, artificial intelligence and blockchain. He is an elected lifetime

member of the American Law Institute and Fellow of the Association for the Advancement of Science.



Jon Godfread, North Dakota Insurance Commissioner

Biography: Jon Godfread was elected North Dakota's 22nd Insurance Commissioner on November 8, 2016. His background includes leadership efforts within North Dakota's business community, government affairs, banking and professional athletics. Prior to serving as Commissioner, Godfread was vice president of governmental affairs for the Greater North Dakota Chamber, with prominent roles in discussions around the federal Affordable Care Act (ACA), across-the-board tax reductions for North Dakotans, creation of the North Dakota Outdoor Heritage Fund, K-12 education efforts and more. For his work, Godfread was honored as the first

North Dakotan to be selected for the prestigious American Swiss Foundation's Young Leaders Conference in 2015, and he was recognized by Prairie Business magazine as one of its 40 Under 40 in 2014. Godfread earned a law degree and a Master of Business Administration (MBA) from the University of North Dakota in 2011, and he was a member of the North Dakota Law Review. In his final year of study, Godfread worked full-time for the State Tax Department. From

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2005–2007, Godfread worked for Alerus Financial in Grand Forks as branch manager and a personal banker. Godfread earned his undergraduate degree with honors from the University of Northern Iowa in 2005, and he played basketball for the Panthers. Godfread then went on to play professional basketball in Ehingen, Germany. As a lifelong resident of North Dakota, community service is important to Godfread. He serves as a member of the North Dakota Special Olympics board of directors and the Missouri Valley Family YMCA board of directors. Godfread and his wife, Amanda, live in Bismarck and have three young children.

12-SIS-B: Social and Racial Inequities in Health

Wednesday, August 12 01:00-02:15 a.m.

Moderator: Roy Machamire, Kaiser Permanente



Biography: Roy works as an Actuarial Associate for Kaiser Permanente in Denver, Colorado. His primary responsibilities are mental health parity testing for all lines of business, and pricing, product development, and rate development for the individual line of business (ACA). Prior to Kaiser, Roy worked for Humana in the Employer Group Department. Roy is a Fellow of the Society of Actuaries (FSA), Chartered Enterprise Risk Analyst (CERA), and Member of the American Academy of Actuaries (MAAA). Roy earned his Bachelors degrees in Mathematics, Economics, and Finance from University of Nebraska at Kearney (UNK), and earned his masters degree in Actuarial Science from University of Nebraska-Lincoln (UNL). Roy is originally from

Zimbabwe. Growing up in Africa has made Roy passionate about creating opportunities for the less privileged children. Hence his passion drove him and his sister to start Shine Bright Foundation, a non profit organization geared towards building orphanages in third world countries.



Julia Raifman, Boston University School of Public Health

Biography: Julia Raifman, ScD, SM conducts research on health and social policy drivers of population health and health inequities. Dr. Raifman focuses her work on mental health and infectious diseases. Examples of her research include analyses of the relationship between LGBT rights and mental health, of the association between state firearm policies and suicide, and of racial and ethnic disparities in the use of pre-exposure prophylaxis (PrEP) for HIV prevention. Dr. Raifman's research has been covered in the New York Times, The Guardian, National Public Radio, and The Advocate. Dr. Raifman teaches Quantitative Methods for Health Services and

Policy Research. She enjoys mentoring and is committed to promoting the success of diverse students. Dr. Raifman received her doctoral and masters degree from the Harvard T.H. Chan School of Public Health and completed a post-doctoral fellowship at Johns Hopkins prior to joining Boston University.

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Isaac Edrah, Deloitte

Biography: Isaac is a Healthcare project manager and actuary at Deloitte Consulting LLP.

Throughout the past 10+years, his exposure to the healthcare system spanned from health plans to providers, from government programs to self-insured plans, and from operational challenges to strategic mergers. He has specialized in delving into the regulatory, financial, and operational challenges hindering long-term solutions in affordability and access to care for his clients. Isaac joined Deloitte in January 2016 and focuses on medical cost benchmarking and management, financial and actuarial analysis, risk adjustment, benefit pricing and underwriting, and due diligence for Mergers and Acquisitions. Prior to joining Deloitte, he spent several years at a leading health insurer. Isaac holds a B.S degree in Mathematics and a M.S in Statistics from the George Washington University. He is an Associate of the Society of Actuaries and a Member of the American Academy of Actuaries



Cornell P. Wright, NC Office of Minority Health and Health Disparities

Biography: Cornell P. Wright, MPA serves as the Executive Director of the DHHS Office of Minority Health and Health Disparities. He is a subject-matter expert around the areas of health equity and disparities, minority health, and community engagement. Wright, an active member in the health community, serves various groups, organizations and boards including the Patient Centered Outcome Research Institute where he serves on the Clinical Effectiveness and Decision Science Advisory Panel, and the Southeastern Health Equity Council, as part of the National Partnership for Action to End Health Disparities, serving as the Co-Chair to the Social

Determinants of Health Committee. He has received awards and recognition for his contributions to health from the National Institutes of Health, Leukemia and Lymphoma Society, North Carolina Central University, and the National Minority Quality Forum.

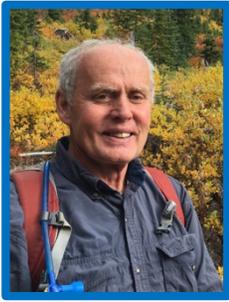


Dejun Su, University of Nebraska Medical Center

Biography: Dr. Dejun Su is currently Associate Professor at the Department of Health Promotion, College of Public Health, University of Nebraska Medical Center (UNMC). He has been serving as the Director of the Center for Reducing Health Disparities at UNMC since 2012. The Center carries a mission to “promote equity and social justice in health and health care by leading collaborative efforts to generate and disseminate evidence-based, policy-relevant solutions.” Dr. Su was born and raised in northeast China. He received his PhD in sociology from the University of Chicago in 2006. As a demographer and medical sociologist, Dr. Su’s research centers on

social and cultural determinants of health, health care access, and health disparities. His research work has been funded by several federal agencies including the Centers for Diseases Control and Prevention, Agency for Healthcare Research and Quality, National Cancer Institute, Centers for Medicare & Medicaid Services, the Health Resources and Services Administration, and the U.S. Department of Health and Human Services.

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Edward Fox, National Indian Health Board

Biography: Dr. Fox has a Ph.D. in political science from the University of Washington, a BA from the University of Minnesota, and a Master's in Public Administration, SFSU, San Francisco. Professor of Government at Eastern Washington University from 1991-1995. Former Policy Analyst and then Executive Director of the Northwest Portland Area Indian Health Board, 1995 to 2005. Health Services Director at the Port Gamble S'Klallam Tribe 2011 to 2016, also served as the Director of the Squaxin Island Tribe's Health and Social Services Department 2006- 2010.



Sade Kosoko-Lasaki, Creighton University

Biography: Since 2000, Dr. Kosoko-Lasaki is the founding Associate Vice Provost of Health Sciences and Professor of Ophthalmology, Preventive Medicine and Public Health at Creighton University, Omaha, Nebraska. She is a respected international educator who is passionate about mentoring and providing STEM education opportunities to students, particularly those who are minority and disadvantaged. The programs she has developed over the last two decades have exposed more than 12,000 minority students (from the fourth grade to professional schools) to exciting professional options in the health sciences. While guiding and supporting their interest in health careers, she has also strengthened study and thinking skills, as well as the science and math expertise of her students. More than 400 students have graduated in medicine, dentistry, pharmacy, and allied health professions and nursing in the USA and the Caribbean schools through their exposure to the programs that she supervises. Dr Kosoko-Lasaki is co-founder/co-director of Creighton University's Center for Promoting Health and Health Equity (CPHHE), a community-academic partnership that serves to address health disparities in Omaha minority communities. As an ophthalmologist with a public health degree, Dr. Kosoko-Lasaki is passionate about training and educating individuals in developing countries on blindness prevention, especially Vitamin-A deficiency: the leading cause of preventable blindness in children and a major public health problem throughout the world and glaucoma. She has served as a consultant to UNICEF, USAID, and Helen Keller International in Burkina Faso, Niger, Mauritania, Chad and the Philippines. Since 1986, Dr. Kosoko-Lasaki has researched the prevalence of glaucoma in Blacks in St. Lucia, West Indies. With a focus on detecting and treating glaucoma-the most common cause of blindness in African Americans and Hispanics - she has initiated health fairs and screenings through Washington, D.C. metropolitan area, Nebraska, Iowa, Kansas and the Dominican Republic. Dr. Kosoko-Lasaki created a program for blindness prevention entitled, "Preventing Glaucoma Blindness in Nebraska: A Creighton University Initiative," targeting individuals at risk for glaucoma blindness in surrounding areas.

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13-SIS-A: COVID-19 – Retirement/Individual Impact

Wednesday, August 12 02:30-03:45 p.m.

Moderator: Steve Siegel, Society of Actuaries



Biography: Steven Siegel is a senior practice research actuary for the Society of Actuaries (SOA). He is primarily responsible for the management of all research-related efforts in the SOA's retirement and finance areas of practice as well as other general SOA research initiatives. As part of this role, he is the staff lead on the SOA's Aging and Retirement Strategic Research program which was launched in the Fall of 2018. Steven has authored articles for industry publications, including SOA's magazine *The Actuary* and newsletters. Prior to joining the SOA, Steven was an assistant vice president at CNA Insurance Company, where he managed a staff of actuaries involved in the pricing and design of group disability, accident and life products. Steven also

served as a health actuary for nearly 15 years and was involved with HMO and PPO rating and product development at Blue Cross and Blue Shield of Illinois.



Anna Rappaport, Anna Rappaport Consulting

Biography: Anna founded Anna Rappaport Consulting in 2005 after retiring from Mercer. Anna is an actuary and in her phased retirement she is serving as a consultant, author, and speaker, and a nationally and internationally recognized expert on the impact of change on retirement systems and workforce issues. She is passionate about making a difference. Anna has won several prizes and awards. Most recently, she was awarded the Lilywhite Award from the Employee Benefit Research Institute (EBRI) and a Lifetime Achievement Award by the Plan Sponsor Council of America (PSCA) in 2017. Anna is a past-President of the Society of Actuaries and chairs its Aging

and Retirement Steering Committee and its Committee on Post-Retirement Needs and Risks. Anna serves on the Board of the Women's Institute for a Secure Retirement (WISER), and the Advisory Board of the Pension Research Council. Anna served on the ERISA Advisory Council from 2010 to 2012. Anna is a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries. Anna has an MBA from the University of Chicago Booth School of Business. Anna completed 50 years as a Fellow of the Society of Actuaries in 2013.



Carol Bogosian, CAB Consulting

Biography: Carol A. Bogosian, President of CAB Consulting, is an Associate of the Society of Actuaries and has over thirty years of experience as an actuary providing advice on defined benefit and defined contribution pension plans and retirement planning issues. Before starting her own firm, she was a principal in a major consulting firm as a senior actuary and consultant providing retirement services to individuals and corporate clients. She completed a financial planning certificate study program, gaining her perspective of the employee's overall financial needs. Her current interests are in improving financial education and literacy in the U.S. She has

published articles for the Plan Sponsor Council of America and WISER and has spoken publicly at various professional associations on retirement and financial planning topics. She currently serves on the Post Retirement Needs and Risk Committee and on the Aging and Retirement Strategic Research program committee of the Society of Actuaries

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providing guidance on research projects and public speaking or media engagements for the research. She also serves on the Chicago Bar Associations' Joint Task Force on Women and Aging. Previously, she served on the Retirement Section Council of the Society of Actuaries and the Employee Benefits Advisory Board for The John Marshall Law School.