



*Virtual Conference*  
June 13-14, 2022

# **Seminar on Reinsurance**

# Session Descriptions

## General Session

General Session, June 13, 10:00 - 11:30 AM ET, Breakout Room 1

### □ GS1: *The Reinsurance Tug of War*

Level 1: No prior knowledge of the subject

The reinsurance industry is experiencing a tug of war today across a plethora of areas...

- There is the “Great Resignation” but still need to build our talent pool
- The 5 year frequency of large losses drove reinsurers to hold / reduce capacity but yet Reinsurance Capital is at an All Time High
- Retro pricing approached a cyclical high impacting reinsurer cost of capital but investors maintained capital levels from a year ago
- Social Inflation and other trends are growing but reserves have not yet met these projected changes

This session will explore the push and pull of current and future market conditions.

Moderator: Stephanie Gould Rabin, SVP & Chief Strategy Officer, Holborn Corporation

Speakers: Kael Coleman, Founder, Chief Executive Officer, Protecdiv  
Richard Sanford, Chief Executive Officer, Toa Re America  
Monica Ningen, President, CEO, Swiss Re Canada and English Caribbean

# Session Descriptions

## Lines Of Business

Concurrent Session 1, June 13, 12:00 - 1:15 PM ET, Breakout Room 2

### □ CS12: Mortgage Credit Risk Transfer (CRT) While Emerging from a Pandemic

Level 2: General knowledge of the subject

Mortgage credit risk transfer (“CRT”) is an important component of the U.S. housing finance system. The COVID-19 pandemic shifted all facets of the economic landscape including CRT. This panel will explore the implications of the pandemic experience and shifting geopolitical/economic landscape on mortgage CRT by addressing the following questions:

- What will the CRT market and underlying mortgage performance look like in light of shifting economic conditions;
- What impact did the unprecedented government assistance programs have on mortgage performance and CRT and what will it mean going forward;
- What are the implications of temporary loan forbearance for the mortgage market in the future;
- How might dislocations in the capital markets including reduced CRT bond liquidity during the pandemic and widening spreads impact the demand for CRT reinsurance capacity;
- How has the new FHFA capital rule impacted the GSEs CRT programs to date, and how might it affect them in the future?

Learning Objectives:

1. Learn what mortgage performance may look like in light of shifting economic conditions and why should this differ from performance during the Global Financial Crisis.
2. Learn what impact the various borrower assistance programs will have on projected mortgage performance and CRT.
3. Learn what the implications are of temporary loan forbearance programs for CRT transactions and for mortgage insurer capital requirements.

Moderator: Brian Mullen, VP, Pricing & Analytics, AmFamRe, American Family Mutual Insurance Company, S.I.

Speakers: Michael Schmitz, Principal and Consulting Actuary, Milliman  
John Gaines, EVP-Chief Actuary, Arch MI  
Jonathan Berenbom, Managing Director, Guy Carpenter & Co. LLC

# Session Descriptions

## Lines Of Business

Concurrent Session 1, June 13, 12:00 - 1:15 PM ET, Breakout Room 1

### □ CS6: Decoding Cyber Modeling

Level 2: General knowledge of the subject

News Flash: Cyber reinsurance capacity is constrained! This panel will explore the gamut of cyber modeling topics, including:

- What data to use to assess cyber risk and how to ensure good data quality?
- What's the wrong way to assess cyber risk? What are some more effective ways?
- Are actuarial methods useful yet?
- How can we unlock reinsurance capacity to support cyber exposures?

Learning Objectives:

1. Identify the latest best practices in cyber modeling and data collection, and how these have evolved over time.
2. Assess whether actuarial methods have potential usefulness compared to (or in conjunction with) other forms of cyber modeling.
3. Understand the current capacity constraints in the reinsurance market, and what developments would be necessary to help mitigate them in the future.

Moderator: Aaron Koch, Milliman

Speakers: Jess Fung, Managing Director, Guy Carpenter & Co. LLC  
Jonathan Laux, Cyber Cube  
Carol Aplin, Principal Cyber Modeler, Marsh McLennan

## General Interest

Concurrent Session 1, June 13, 12:00 - 1:15 PM ET, Breakout Room 3

### □ CS9: Hot Topics for Public Entities

Level 2: General knowledge of the subject

An actuary, an underwriter, and a lawyer walk into a bar Reinsurance Seminar session to discuss current hot topics for public entities. Tune in for an open dialogue as our panelists share their insights on the challenges currently facing public exposures, with a focus on Law Enforcement Liability, Cyber Liability, Cancer/PTSD Presumption, Property, and Medical Stop Loss.

Moderator: Chris McKenna, NLC Mutual

Speakers: Heather Burgess, Underwriter, NLC Mutual  
Stephen DiCenso, Principal & Consulting Actuary, Milliman  
James Westbury, Claims Manager and Coverage Counsel, Georgia Municipal Association

# Session Descriptions

## General Interest

Concurrent Session 2, June 13, 2:00 - 3:15 PM ET, Breakout Room 3

### CS1: Adjusting for 'Limits Drift' in Experience Rating: Revisiting Bob Giambo's 2004 Reinsurance Seminar Presentation

Level 2: General knowledge of the subject

As insurers change their portfolios to grow or reduce risk exposure, the adequacy of experience rating has come under question. 'Limit drift' can adjust experience rating when the current portfolio under analysis has a significantly different limit profile than the historical profile. This allows for both loss history and in-force portfolio information to be contemplated in experience-based pricing. The session is intended to be a revisit on Bob Giambo's 2004 presentation on the topic.

Learning Objectives:

1. Recognize situations where using limit drift would improve pricing accuracy.
2. Understand the impact of limit drift on typical experience rating exercises.

Moderator: Zilan Shen GSA - Analytics - NA (US), Guy Carpenter & Co. LLC

Speakers: Adam Carvalho, Gallagher Re  
Eric Dynda, Vice President, Gallagher Re

## Intermediate/Advanced Track

Concurrent Session 2, June 13, 2:00 - 3:15 PM ET, Breakout Room 2

### CS10: Intermediate Experience and Exposure Rating Methods for Today

Level 2: General knowledge of the subject

This session will build upon prior basic CARE track and boot camp materials and will presuppose familiarity with the basics of exposure and experience rating methodologies. This session will include the usage of more advanced techniques to address common excess rating challenges, exacerbated by the various extra stresses and data distortions currently being encountered. These additional distortions include:

- Shifting policy limits, credibility and blending of loss development factors, method confidence levels
- Recent heightened inflation, social inflation, civil unrest, and Covid impacts including on LDFs
- Accurately assessing these impacts holistically, will lead to more refined:
- Benchmarking and individual account analysis
- Avoiding overconfidence in experience and exposure rating

Learning Objectives:

1. Understand how to address several commonly encountered challenges regarding excess rating.
2. Measure the distorting effects of various trending societal issues such as heightened inflation and Covid.
3. Learn the impacts on the portfolio and potential underwriting responses.

Moderator/Speaker: Caitlyn Pace, Vice President, Swiss Re

Speakers: David Fairchild, Managing Actuary, Partner Re  
Shani Clarke Associate Actuarial Consultant, Verisk

# Session Descriptions

## Professionalism (COPE)

Concurrent Session 2, June 13, 2:00 - 3:15 PM ET, Breakout Room 1

### ☐ CS18: Reputational Risk in Reinsurance Transactions

Level 1: No prior knowledge of the subject

Reputational Risk is a subject that should be of concern to all practicing actuaries. It not only affects you personally but reflects on your employer and the Casualty Actuarial Society itself. In this session we will start out by presenting guidance provided by the Office of the Comptroller of the Currency on Complex Structured Financial Transactions (CSFT). We will then introduce a brief case study on a reinsurance treaty with a commission that adjusts based on loss experience. Attendees will discuss questions, such as: Is the structure consistent with the CSFT guidance? What are the actuary's responsibilities?

Learning Objectives:

1. Invite consideration of actuaries' responsibilities with respect to individual transactions.
2. Learn about an application of financial supervision that is relevant to some insurance and reinsurance transactions.
3. Understand Professionalism as applying broadly, i.e. beyond specific ASOPs.

Moderator: Christian Hauprich, Trans Re

Speakers: Todd Hess, Head Risk Management P&C Reinsurance Americas, Swiss Re  
Arlie Proctor, Actuarial Manager, Sr., Munich Re

## Intermediate/Advanced Track

Concurrent Session 3, June 13, 3:45 - 5:00 PM ET, Breakout Room 3

### ☐ CS2: Battlebots: Extreme Actuarial Pricing Challenge

Level 3: Working knowledge of the subject

Oh no! The pricing differential on my treaty across my reinsurers is HUGE!

We all know that actuarial pricing for a reinsurance treaty is an imperfect science. We have limited data; loss development is further delayed by the retentions; historical and future portfolio shifts can change the answer; accounting for the softer items is important but difficult to incorporate. And the list goes on.

Three brave actuaries will be given the exact same underwriting submission and reinsurance structure, and they will battle it out and put reinsurance pricing to the test. What will be 'their loss pick? How different will the picks be? What will drive their selections? We will review how they got to their answers and compare/contrast the differences.

Learning Objectives:

1. Understand, from a big picture perspective, some causes for differences in pricing.
2. Envision the nuanced impacts of different picks in trend and loss development.
3. Explore "beyond loss" impacts on final price.

Moderator: Stephanie Gould Rabin, SVP & Chief Strategy Officer, Holborn Corporation

Speakers: Alex Chen, Senior Pricing Actuary, AXIS Capital  
Ellen Hardy, Senior Pricing Actuary, Swiss Re  
Alexander Beall, Actuarial Analyst, Guy Carpenter & Co. LLC

# Session Descriptions

## General Interest

Concurrent Session 3, June 13, 3:45 - 5:00 PM ET, Breakout Room 2

### ☐ CS21: Understanding the Run-off Market (LPT/ADC)

Level 1: No prior knowledge of the subject

Insurance companies are increasingly looking for reinsurance solutions to transfer legacy/runoff exposures, address reserve uncertainty, and manage reserve risk capital requirements. The LPT/ADC market has been increasingly active with several recent “headline” deals being publicly announced. This session will provide an overview of the current state of the structured reinsurance market, general characteristics of structured deals, and case study examples of transactions. We will also focus on client considerations and motivations.

Learning Objectives:

1. Overview of retroactive products, various LPT and ADC structures.
2. Understand client objectives and case studies.
3. Discuss structuring, pricing, and placement drivers.

Moderator: Raju Bohra, EVP, Gallagher Re

Speakers: Stephen Talley, Lead Actuary - Legacy Pricing, Randall & Quilter Investment Holdings  
Jessica Groenewegen, TigerRisk Partners

## Lines Of Business

Concurrent Session 3, June 13, 3:45 - 5:00 PM ET, Breakout Room 1

### ☐ CS24: Workers Comp Update

Level 2: General knowledge of the subject

This session will provide a current view of the US workers compensation market from three perspectives - a primary carrier, a reinsurer, and a rating bureau. The session will include highlights from the NCCI's Annual Issues Symposium, plus an update on New York's recent changes to its experience rating plan.

Learning Objectives:

1. Develop a general understanding of key issues and the recent performance of the workers compensation insurance market.
2. Develop an understanding of key changes to the New York experience rating program that will be effective in October 2022.

Moderator: Derek Jones, Milliman

Speakers: Bryan Ware, Director, Amtrust Financial  
Brett King, Director of Actuarial Research, New York Compensation Insurance Rating Board  
Lisa Walsh, Senior Vice President, Swiss Re

# Session Descriptions

## General Interest

Concurrent Session 4, June 14, 9:00 - 10:15 AM ET, Breakout Room 1

### □ CS14: Predictive Modeling Approach to Case Reserves

Level 2: General knowledge of the subject

The use of case reserves in actuarial development triangles is ubiquitous. Many of the problems encountered in loss reserving stem from systematic changes and inaccuracies in the determination of case reserves. Case reserves currently serve two primary roles – to facilitate the appropriate settlement of each claim, and to provide financial information. These goals are intrinsically at odds with each other. As a profession, we need to move beyond the use of subjectively determined case reserves to using case reserves that are more appropriate for loss reserving, that we have constructed directly, using objective claim and exposure information. During this session we will discuss how the separation of the dual roles of case reserves will benefit not only the actuaries in their reserving and pricing work, but also the claim settlement function, as well as applications for reinsurance.

Learning Objectives:

1. Understand how case reserves can distort actuarial development triangles.
2. Develop predictive modeling techniques to objectively set case reserves.
3. Apply approach to pricing and reserving.

Moderator: Raj Bohra, EVP, Gallagher Re

Speakers: Chris Gross, CEO, Gross Consulting  
Bret Shroyer, Commercial Lines Product Manager, Western National Insurance



# Session Descriptions

## Lines Of Business

Concurrent Session 4, June 14, 9:00 - 10:15 AM ET, Breakout Room 3

### ☐ CS16: Property - Methods for Determining Capital Usage on a Reinsurance Portfolio

Level 3: Working knowledge of the subject

This session works through a case study in catastrophe reinsurance evaluation using distortion, a.k.a. spectral, risk measures. Given a portfolio of insured properties and a number of proposed programs (and prices), which provides the best economic value?

Solution 1 (ca. 2000) uses risk-return plots to sift out which programs are on the “efficient frontier” given choices of capital risk metrics (e.g. VaR, TVaR). But then what? Where do you want to be on the frontier?

Solution 2 (ca. 2010) takes the common--but problematic--approach of applying the firm’s overall cost of capital to each program’s allocated or “saved” capital in order to impute cost savings. We review and identify the source of the difficulties of this method.

We propose an alternative, Solution 3: use the firm’s own capital structure and capital market prices to elaborate how the cost of capital varies by layer of risk. We show how to compute the relative consumption of capital by layer, yielding a more realistic assessment of the cost of capital savings from each program.

Learning Objectives:

1. Review of existing capital metric being used.
2. Learn about a new more realistic method for assessing capital needs.

Moderator: Steve White, McGill and Partners

Speakers: John Major  
Stephen Mildenhall, Convex Risk LLC

## General Interest

Concurrent Session 4, June 14, 9:00 - 10:15 AM ET, Breakout Room 2

### ☐ CS19: The Next Normal: Economic and Social Inflation

Level 1: No prior knowledge of the subject

The U.S. P&C industry is facing increasing challenges with the possibility of an extended period of inflation and rising interest rates. At the same time, social inflation continues to pressure claim severities despite court delays during the pandemic.

This session will explore some of the causes of current economic and social inflationary trends impacting the property & casualty (re)insurers, discuss what we may expect in a post-pandemic world, and dive into some practical considerations for incorporating inflationary trends in pricing, reserving and planning.

Learning Objectives:

1. Understand market dynamics impacting inflation and insurance claims.
2. Incorporate current inflation trends in pricing and reserving.
3. Adjust planning for economic and social inflation.

Moderator: Stephanie Gould Rabin, SVP & Chief Strategy Officer, Holborn Corporation

Speakers: William Wilt, President, Assured Research, LLC  
Michel Leonard, Chief Economist and Data Scientist, The Insurance Information Institute | The Institutes

# Session Descriptions

## General Interest

Concurrent Session 5, June 14, 10:45 AM - 12:00 PM ET, Breakout Room 2

### CS13: Portfolio Loss Sensitivities for Flood Risk Management

Level 2: General knowledge of the subject

Flood insurance penetration is increasing and with it the amount of flood insurance. Flood is an expensive peril; according to FEMA “just one inch of floodwater can cause up to \$25,000 in damage.” However, there is uncertainty in loss estimates; for example, some homes have an elevation certificate identifying the elevation of the first floor, but most homes do not. Artificial intelligence has enabled the quantification of the first floor height, providing reinsurers new tools to audit individual portfolios. Join us as we highlight the portfolio loss sensitivity to this and other very important risk factors.

Learning Objectives:

1. Differentiate the changes in risk from various flood factors.
2. Describe how first floor height quantification is important to correct risk quantification.

Moderator/Speaker: Howard Kunst, Chief Actuary, CoreLogic

Speakers: David Smith, Senior Leader, CoreLogic  
Rehan Siddique, Consulting Actuary, Milliman

## Professionalism (COPE)

Concurrent Session 5, June 14, 10:45 AM - 12:00 PM ET, Breakout Room 1

### CS15: Professionalism: U.S. Qualification Standards

Level 1: No prior knowledge of the subject

The American Academy of Actuaries' Committee on Qualifications (COQ) has recently made updates to the U.S. Qualification Standards (USQS) that all U.S. based actuaries are required to follow. This session will discuss the changes to the USQS requirements that were effective January 1, 2022. In addition, we will review what the qualification standards mean for CAS members practicing in the U.S. and what you need to do to ensure you are meeting these standards. This session will also cover the CAS Continuing Education certification requirements.

Learning Objectives:

1. Understand the requirements to be a practicing actuary in the U.S.
2. Learn how the U.S. Qualification Standards have changed, and how these changes impact you.
3. Know the steps to meet CAS Continuing Education requirements, including attestation and CE logs.

Moderator: Christian Hauprich, Trans Re

Speakers: Esther Becker, Partner, Central Zone Leader, Oliver Wyman Actuarial Consulting  
Anthony Katz, Vice President, Senior Actuary, Toa Re

# Session Descriptions

## Lines Of Business

Concurrent Session 5, June 14, 10:45 AM - 12:00 PM ET, Breakout Room 3

### ☐ CS4: Cyber Insurance – What is next after a 100% pricing increase?

Level 2: General knowledge of the subject

As more sophisticated attacks and ransomware events are on the rise, how do companies protect themselves with Cyber risks? How do insurance and reinsurance carriers measure and manage cyber risk when it is constantly evolving? Join us for a discussion on Cyber insurance with perspectives from the risk management, the primary and the reinsurance market.

Learning Objectives:

1. Review the current state of Cyber Insurance landscape.
2. Learn about changes in evaluating Cyber risks and underwriting Cyber coverage.
3. Discuss the claim trends in the expanding world of Cyber Insurance.

Moderator: Chenyan Hannah Huang, Gen Re

Speakers: Erica Davis, Global Co-head of Cyber, Guy Carpenter & Co. LLC  
William Hardin, VP, Charles River Associates  
Ho-Tay Ma, Vice President, SCOR Reinsurance Company

## General Interest

Concurrent Session 6, June 14, 12:30 - 1:45 PM ET, Breakout Room 3

### ☐ CS20: The Roof! The Roof! The Roof is on Fire! Assessing Risk with InsurTech

Level 2: General knowledge of the subject

Wait! There are tiny homes on this property? Human data entry can be wrong? Wait...was there water nearby? The law of large numbers means I don't need to worry about the details, right?

InsurTech today offers us the ability to get more, higher quality data that is both scalable and cost-effective. From this, we can then develop more enhanced analytics (both up front and at the portfolio assessment level). Our panel will discuss some of the new data and solutions available today for property exposures.

Learning Objectives:

1. Obtain richer knowledge of some current insurtech aimed at understanding property risk.
2. Understand how the use of insurtech to obtain higher quality and also cost effective data.
3. Explore ways to feed better risk pricing, underwriting and portfolio management with this new information.

Moderator: Zilan Shen, GSA - Analytics - NA (US), Guy Carpenter & Co. LLC

Speakers: Robert Frady, VP of HazardHub, GuideWire  
Jeffrey Heine  
Scott Strogatz, Director - Client Development, CAPE Analytics

# Session Descriptions

## General Interest

Concurrent Session 6, June 14, 12:30 - 1:45 PM ET, Breakout Room 2

### □ CS7: Diversity and Inclusion in Practice

Level 1: No prior knowledge of the subject

Trailblazers in our industry share their experiences and their perspectives on some pragmatic steps you can take to bring inclusion and diversity to your organization.

Moderator: Julie Halper, Toa Reinsurance Company of America  
Speakers: Mallika Bender, Diversity, Equity & Inclusion Staff Actuary, Casualty Actuarial Society  
David Terne, Swiss Re  
Nancy Watkins, Consulting Actuary, Milliman, Inc.

## Lines Of Business

Concurrent Session 6, June 14, 12:30 - 1:45 PM ET, Breakout Room 1

### □ CS8: Excess Casualty/Umbrella

Level 2: General knowledge of the subject

The excess casualty line of business is at the epicenter of key trends impacting the industry, including social inflation, market hardening, and delays in the legal and claims process due to Covid 19. This multidisciplinary panel will discuss and assess the impact of those trends. It will also provide updates on litigation trends and exposures relevant to reserving actuaries.

Learning Objectives:

1. Update on excess casualty market conditions.
2. Discussion of the impact of social inflation on this major line of business.
3. Review of large claims and trends impacting reserving.

Moderator/Speaker: Jeff Dollinger, Partner Re  
Speakers: Tim McCarthy, Senior Actuarial Director, Verisk Underwriting Solutions  
Jane Mandigo  
Jacqueline Lazowski  
Christopher Steinbach, Sompo International

# Session Descriptions

## General Interest

Concurrent Session 7, June 14, 2:15 - 3:30 PM ET, Breakout Room 1

### □ CS11: Lumpy Reserving Challenges

Level 3: Working knowledge of the subject

Thin or less credible data? Changing mix over time? COVID delay? Our panel will explore solutions for these challenges and more.

Moderator: Sean Devlin

Speakers: Keith Sunvold, Chief Reserving Officer, Zurich North America  
Sarah Krutov, Head of Actuarial and Reserving - Americas, Swiss Re  
Jonathan Sappington, Director, WTW

## General Interest

Concurrent Session 7, June 14, 2:15 - 3:30 PM ET, Breakout Room 3

### □ CS3: Ceded Re Perspective

Level 2: General knowledge of the subject

This session will provide you the latest perspective on the (re)insurance market environment, pressing issues, and effective reinsurance placement strategy through the lens of reinsurance buyers.

Learning Objectives:

1. Discuss the current market dynamics.
2. Learn about effective reinsurance buying and placement strategy.

Moderator/Speaker: Pete Jaisle, SVP, Senior Client Manager, Swiss Re

Speakers: Chris Coelho, SVP Ceded Re, Chubb Group  
Will Dove, Everest Re Group, Ltd.  
Isaac Espinoza, Root Insurance Company

# Session Descriptions

## Lines Of Business

Concurrent Session 7, June 14, 2:15 - 3:30 PM ET, Breakout Room 2

### ☐ CS5: D & O Market Update and Emerging Issues

Level 2: General knowledge of the subject

Join us for a discussion on the state of the D&O market. The last few years saw tremendous change in the D&O market: carriers, appetite, rates, and the legal environment have all shifted. We will cover these topics with perspectives from the primary and reinsurance market, and discuss their implications on actuarial analysis.

Learning Objectives:

1. Understand recent conditions that contributed to hardening rate market from 2019-2021.
2. Discover recent trends and perspectives on where the market is going now.

Moderator: Lon Chang, Ascot Group

Speakers: Brian Sabia, EVP, Chief Underwriting Officer, Toa Reinsurance Company of America  
Ricardo Ramotar, Vice President, Actuary, QBE Reinsurance  
Marc Berner, SVP and head of FI, AWAC

## Lines Of Business

Concurrent Session 8, June 14, 4:00 - 5:15 PM ET, Breakout Room 1

### ☐ CS17: Property Cat: State of the Market

Level 2: General knowledge of the subject

This session will provide an overview of the Property Cat reinsurance market. The discussion will include an overview of market capital, products, capacity, views of risk, inflation, secondary perils, model updates, and climate change. Speaker perspectives include cat modeler, underwriter, buyer, and actuary.

Learning Objectives:

1. Update on the Property Cat reinsurance market.

Moderator: Tim Aman, Aon

Speakers: Krista Lienau, Managing Director, Guy Carpenter & Co. LLC  
Jessica Bongiorno, Chief Underwriting Officer, Property and Specialty, Arch Reinsurance Company  
Victor Baillargeon, Outwards Reinsurance Placement Manager, Aspen Insurance

# Session Descriptions

## General Interest

Concurrent Session 8, June 14, 4:00 - 5:15 PM ET, Breakout Room 3

### □ CS22: What Does ESG Mean for Underwriting and Insurance?

Level 1: No prior knowledge of the subject

This session will introduce the key concepts actuaries need to know in relation to ESG (“Environmental, Social, Governance”) factors which may be incorporated into insurance underwriting. The session will cover:

- Overview of the implications from ESG and climate change for key industries, and the resultant new risks from insurers need to be considering in their product coverages and design
- Emissions quantification and methodologies to quantify emissions associated within insurance products
- Consideration of emissions profiles across insurance portfolios and lines of business, including underwriting criteria and target setting
- Design of ESG products and actuarial pricing considerations
- Overview of relevant regulatory perspectives and industry bodies, such as the Net Zero Insurance Alliance
- What does this mean for actuaries and what is our role?

Learning Objectives:

1. Establish a baseline understanding of the basic ESG and climate change concepts relevant to insurers products, including what risks will be introduced.
2. Gain knowledge of the activities insurers undertake in order to quantify the GHG emissions associated with their products, including data and modeling.
3. Understand the role which actuaries will be able to take in the integration of ESG and climate change factors into underwriting.

Moderator: Christian Hauprich, TransRe

Speakers: Stephen Bochanski, Principal, US Climate Risk Leader, PwC  
Alexander Andrianov, Risk Modeling Services Manager, PwC  
Brett Denyer, Vice President, ESG, TransRe

# Session Descriptions

## Lines Of Business

Concurrent Session 8, June 14, 4:00 - 5:15 PM ET, Breakout Room 2

### ☐ CS23: *Wheels: Over-Inflated Tires*

Level 2: General knowledge of the subject

- A year-end 2021 holistic update to the Commercial and Personal Auto experience.
- In addition to LDFs and ILFs, a comparison between commercial and personal auto trends including recent experience under Covid and heightened inflation.
- A company actuary/underwriting managers perspective on the state of the market, impact of social inflation, and portfolio and underwriting considerations.
- A historical look to prior shock events, such as the Great Recession, to provide a residual trend framework reflecting 2020 and 2021 adjusted experience for forecasting the outlook post-Covid 19 and inflation scenarios.

Learning Objectives:

1. An update of commercial and personal auto experience, trends, LDFs and ILFs.
2. An overview of underwriting considerations with respect to social inflation and portfolio management.
3. An outlook of possible Covid-19 and post Covid-19 impacts.

Moderator: Barry Blodgett, Topsail Re

Speakers: Jennifer Stevens, Senior Vice President, Swiss Re

Rebecca Bredehoeft, Swiss Re

Marni Novack, Senior Actuarial Associate, Verisk Underwriting Solutions