

**2020 Casualty Loss Reserve Seminar
Virtual Program
September 15-17, 2020**

TUESDAY, SEPTEMBER 15

WS: Maximizing The Value of Your Actuarial Report and Opinion

Workshop, Track: Workshop 3 - 9/15/2020 - 9:30:00 AM - 1:00:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Your actuarial opinion and reports are reviewed and analyzed for appropriateness to different stakeholders, including company management, auditors, regulators, court officials and jurors. Each group has different needs for information and you will want to be able to communicate effectively to all.

This workshop will deepen your expertise on the latest requirements for P&C Statements of Actuarial Opinions with a review of actuarial qualification standards, standards of practice and interactive case studies.

In the half day-long session, the workshop will offer attendees the opportunity to:

- Gain an understanding of regulatory/company/auditor perspectives and expectations.
- Remain up to date on the latest regulations and standards.
- Delve deeper into subjects such as RMAD, ranges, documentation, data and report writing.
- Focus on communicating effectively to various stakeholder groups.

Moderator: John Wade

Speakers:

Derek Freihaut, Principal and Consulting Actuary, Pinnacle Actuarial Resources, Inc.

Kathleen Odomirok, Principal, EY

Michael Toothman, ,

Susan Gozzo Andrews, Property Casualty Actuary, State of Connecticut Insurance Dept.

WS: Bayesian Inference and Reserving Models

Workshop, Track: Workshop 1 - 9/15/2020 - 9:30:00 AM - 1:00:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

This workshop is designed for actuaries who want a hands-on practical introduction to building reserving models using Bayesian inference. We will start with an approachable introduction to Bayesian inference. Next, we will review the underlying assumptions behind several popular reserving methods then use a combination of R and Stan (open source Bayesian estimation and simulation software) to build these and new reserving models using Bayesian techniques. This is not a mathematically intensive session. The focus will be on understanding, testing and changing the underlying model assumptions.

Moderator: Vera Sakalova

Speakers:

Stephen Lienhard, Senior Vice President, Guy Carpenter & Co. LLC

Daniel Mitte, Senior Vice President, Guy Carpenter & Co. LLC

WS: IFRS 17 Workshop - the Basics and Beyond

Workshop, Track: Workshop 2 - 9/15/2020 - 9:30:00 AM - 1:00:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Brief background and overview of IFRS 17 concepts along with a deeper dive into some of the more complex issues

Moderator: Susan Pino

Speakers:

Lela Patrik, Actuarial Consultant, PwC

Tope Ogunmola, Actuary, Safety National

A. Carver Roy, Director, PricewaterhouseCoopers

David Kaye, Director, PricewaterhouseCoopers

GS1: An Insider's View of Reshaping our Disrupted Industry

General Session, Track: General Session - 9/15/2020 - 2:00:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The Institutes is the premier knowledge provider to those interested in risk management and insurance. As its President/CEO, Pete Miller has a unique view of all parts of risk management and insurance. This wide-ranging discussion will focus on both the short and long term direction of the industry and will include discussions about how COVID, technology, regulation and economics will help shape the future of actuaries and other jobs going forward.

Moderator: Alan Hines

Speakers:

Pete Miller, President and CEO, The Institutes

CS19: Professionalism Trivia

Concurrent Session, Track: Professional Development - 9/15/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

During this session by the Committee on Professionalism Education, participants will use their cell phones to participate in a real-time Trivia game! This session will qualify for Continuing Education in the area of Professionalism.

Questions will focus on the new NAIC qualification Standards for appointed actuaries, general qualification standards, and ASOP's related to reserving practice.

Moderator: Sophia Song

Speakers:

John Gleba, Secretary / Treasurer, Madison Consulting Group

Kendall Williams, Staff Actuary, Casualty Actuarial Society

Patrick Gilhool, VP & Chief Reserving Actuary, StarStone Insurance

CS24: Spotlight to Shine on US Actuaries as Independent Experts

Concurrent Session, Track: Risk Management - 9/15/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Oklahoma has now made good on its promise to become the leading domicile for a new US-based insurance restructuring mechanism – the Insurance Business Transfer (IBT). A consulting actuary was hired to be the Independent Expert (IE) in this transaction. The session will include discussion of the purposes of the report, limitations of the report, what the IE report included, what an Oklahoma regulator (speaker) thinks about this report and the IE role, and how he worked together with his client (speaker). The session will also discuss where the industry stands with IBTs. Actuaries should leave the session motivated to serve as IEs in future in IBTs.

Moderator: Josh Merck

Speakers:

Stephen DiCenso, Consulting Actuary, Milliman, Inc.

Andy Schallhorn, Deputy Commissioner Financial Regulation and Chief Actuary, Oklahoma Insurance Department

David Foley, Group Chief Actuary, Enstar Group

CS27: Telehealth Impacts on Medical Malpractice & Workers Compensation

Concurrent Session, Track: Line of Business - 9/15/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Telehealth is impacting the way medical professionals treat patients and how carriers manage the medical treatment of injured workers. This session will discuss how telehealth is impacting the frequency, severity, and types of claims for workers compensation and medical malpractice. The impact of COVID-19 on telehealth will also be discussed as some states and CMS have made changes to regulations and requirements.

Moderator: Paige DeMeter

Speakers:

Frank Pecht, , PricewaterhouseCoopers

Brian Reardon, ,

Brian Fillion, ,

CS31: Use of Machine Learning for Reserving

Concurrent Session, Track: Advanced Reserving - 9/15/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 3: Working knowledge of the subject

We will share the substantial work of the Institute and Faculty of Actuaries (IFoA) Machine Learning in Reserving Working Party (MLR WP). While machine learning (ML) techniques are widespread in pricing, they are not being adopted widely in reserving. In 2019, the IFoA formed the MLR WP, which includes more than 50 actuaries from around the world, to identify barriers, communicate benefits, and develop research techniques in pragmatic ways. The scope includes:

Find out where the market is on progressing ML

Identify relevant papers

Undertake research, identify gaps, carry out research

Look at specific questions around techniques, such as:

What techniques should be reviewed

Which techniques works best

Incorporating actuarial judgement

Measuring/spotting trends

Quantifying uncertainty

IBNER vs. IBNYR

Using case estimates

Using operational time/claims process

Trust/ethics related to ML in reserving

Identify data sources for te

Moderator: Abby Stenberg

Speakers:

Jacqueline Friedland, President, J. Friedland Actuarial Consulting Inc.

Kevin Kuo, Director of Insurance Practice, R Studio, PBC

Sarah MacDonnell, , Lane Clark and Peacock

Grainne McGuire, , Taylor Fry

Nigel Carpenter, Chief Data Scientist, RSA Insurance

CS32: What is Fair Value - It Depends on Your Perspective

Concurrent Session, Track: Financial Reporting - 9/15/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

The concept of "fair value" of reserves arises in a variety of contexts in Financial Reporting globally. Broadly speaking, the concept involves a "best-estimate" of remaining unpaid claim liabilities, a provision for discounting for time value of money, and a provision for "risk margin" to reflect the potential for adverse outcomes relative to the "best estimate." However, the details of implementation of Fair Value can vary significantly depending on the specific Financial Reporting context. This session looks at "fair value" reserves in a number of Financial Reporting contexts, comparing and contrasting the details of the implementation of fair value reporting across contexts.

Moderator: Steve Talley

Speakers:

Gareth Kennedy, Managing Director, EY
Daniel Leff, Specialist Leader, Deloitte Consulting, LLP
Alexander Smatt, Corporate Actuary, Enstar Group

RT: What's that line? - Industry Benchmarking

Roundtable Discussion, Track: Line of Business - 9/15/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The panel will discuss how they create and use industry benchmarks based on publicly available data in loss reserve analyses. There will also be discussion about professionalism considerations and documentation associated with using benchmark data. Audience participation will be encouraged through discussion of hypothetical loss reserving scenarios.

Moderator: Sylvia Yang

Speakers:

Erich Brandt, Senior Consulting Actuary, Pinnacle Actuarial Resources, Inc.
Darcie Truttman, Consulting Actuary, Pinnacle Actuarial Resources, Inc.

RT: What is the Last ASOP you read

Roundtable Discussion, Track: Professional Development - 9/15/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The panelists will lead a discussion on various ASOPs based on audience responses to what is the last ASOP you read and other questions.

Moderator: Laura Maxwell

Speakers:

Patricia Teufel, , University of Connecticut

Laura Maxwell, Senior Consulting Actuary, Pinnacle Actuarial Resources, Inc.

WEDNESDAY, SEPTEMBER 16

RT: Recent Environmental Liability Trends

Roundtable Discussion, Track: Other - 9/16/2020 - 8:40:00 AM - 9:30:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

This round table will discuss recent environmental industry loss experience and considerations in evaluating environmental liabilities. We will discuss industry outlook, new EPA sites and the potential impact of a change in administration.

Moderator: Paige DeMeter

Speakers:

Terri Kremenski, Consulting Actuary, Willis Towers Watson
Kwame Davis, Consulting Actuary, Willis Towers Watson

RT: Michigan Auto No-Fault Reform

Roundtable Discussion, Track: Line of Business - 9/16/2020 - 8:40:00 AM - 9:30:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

Attendees will learn about the changes in MI personal auto law

Moderator: Lisa Hasegawa

Speakers:

Lori McAllister, Attorney, Dykema Gossett PLLC

CS11: Florida Homeowners: The 21st Century Version of Whack-A-Mole

Concurrent Session, Track: Line of Business - 9/16/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

The Florida homeowners insurance market has a number of difficult situations that companies must navigate. This session will focus on the challenges of developing reserve estimates for Florida homeowners exposures. The session will cover how various disruptions unique to the Florida market have impacted claims data, how companies have responded to the situations, and how actuaries handle them in their reserve estimate.

Moderator: Bonnie Maxie

Speakers:

Derek Freihaut, Principal and Consulting Actuary, Pinnacle Actuarial Resources, Inc.
Arthur Randolph, Principal & Consulting Actuary, Pinnacle Actuarial Resources, Inc.

Wes Strickland, ,

CS22: Reserves Call Papers

Concurrent Session, Track: Other - 9/16/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

In this session researchers Mark Shapland and Matthias Lindholm will share their most recent research as presenting in the 2020 Reserves Call Paper program.

Moderator: Chandrakant Patel

Speakers:

Mark Shapland, ,
Mathias Lindholm, Associate Professor, Stockholm University

CS3: Building a Stochastic Reserve Model with the BRMS Package

Concurrent Session, Track: Advanced Reserving - 9/16/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

The goal of the session is to make creating a Bayesian MCMC stochastic reserve model more accessible to actuaries. The brms package is a macro writer that creates STAN code to run a Bayesian MCMC program using the syntax from the lmer package to describe the model structure in a Mixed Model format. STAN is a powerful tool, but grasping the syntax to build the first model can be a barrier. The lmer syntax is simpler to grasp than the more detailed STAN code which reduces the barrier to writing ones first Bayesian MCMC model. The general sequence of the presentation will be to start with a few exploratory data charts and exhibits. Make some initial selections for the Mixed Model structure. Show the code created to implement and test that model via brms and the STAN code created as well. Review the modeling results via Shiny.

Moderator: Charles Lei

Speakers:

Michael Larsen, Retired, Retired

CS6: Data, Documentation and Report-Writing

Concurrent Session, Track: Financial Reporting - 9/16/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

This session will help the appointed actuary with issues of data quality and documentation so that the actuary can develop a superior actuarial report.

Moderator: Alan Hines

Speakers:

Michelle Larkowski, , Risk & Regulatory Consulting, LLC.
John Gleba, Secretary / Treasurer, Madison Consulting Group

CS9: Effective Governance: Property/Casualty Reserving for Boards

Concurrent Session, Track: Special Topics - 9/16/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

Reserving is one of the top considerations for boards and audit committees, but often technical complexity prevents enough depth of understanding and inhibits effective oversight. The presenters found little literature to help non-actuarial directors in this area and so wrote a paper on this topic in plain English. Avoiding actuarial technicalities the paper and the presentation offer real-world insights into how reserving works. Considering the standpoint of a director, the paper explains common causes of problems, and provides the key questions to be posed to the actuary – it is essentially a “how to guide” for directors involved with reserving.

Whilst the paper is written primarily for non-actuaries, this presentation should help reserving actuaries perform their job better by offering a wider perspective - for example discussing when estimates may contain unintended biases. In particular, the paper should also aid actuaries in communication with boards.

The authors, all senior and

Moderator: Kevin Donnelly

Speakers:

Brian Brown, Consulting Actuary, Milliman, Inc.

Patricia Teufel, , University of Connecticut

Steve Wilson, ,

FS1: Actuaries in a World of AI

Featured Speaker, Track: Keynote Address - 9/16/2020 - 12:00:00 PM - 1:15:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The data P&C insurers have been collecting in recent years has exploded, but only recently has the industry begun utilizing the tools in machine learning and artificial intelligence to gain the actionable insights from this information. Join Murli in this fireside chat where he will discuss how the industry can harness these tools with this information to better quantify risks and become partners with insureds in managing risks, and what the implications could be for the actuarial profession. This will include how actuaries can play a key role in embracing the power of machine learning and artificial intelligence, what skills will be important for them to develop, and how actuaries can bring value to their insurance organizations in this emerging world of AI.

Moderator: John Wade

Speakers:

Murli Buluswar, Head of Analytics, Citigroup
Pete Miller, President and CEO, The Institutes

CS10: Emerging Risks 2020

Concurrent Session, Track: Risk Management - 9/16/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

A view of current and emerging risks facing risk managers today. Likely emphasis on the healthcare and life sciences industries.

Moderator: Susan Pino

Speakers:

Roxsann Wilson, , Cardinal Health
Michael Meadows, ,
Richard Messick, Specialist Leader, Deloitte Consulting, LLP
Aaron Simpson, Director, Aon

CS20: Rated Age Mortality for Lifetime Medical Claims

Concurrent Session, Track: Special Topics - 9/16/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

We will discuss a model for estimating unpaid liabilities for lifetime medical claims, with four steps. The first is to estimate claimant mortality, where we will discuss alternatives to standard methods leveraging recent research from life actuaries. Second, the annual medical payment should be estimated based on recent data. Third, expected medical inflation is applied, and fourth, reinsurance is applied. We will also discuss how to derive stochastic distributions for each of the major inputs

Moderator: Rachel Dolsky

Speakers:

Jonathan Sappington, Consultant, Willis Towers Watson
Lori Helge, Director, Willis Towers Watson

CS23: Social Inflation and Emerging Mass Torts – Now, Next and Beyond

Concurrent Session, Track: Line of Business - 9/16/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The Property & Casualty Insurance industry has experienced notable increases in loss trends in recent years that are likely attributable to the impacts of social inflation and emerging mass torts. This session will discuss some of the underlying societal and legal trends driving these emerging costs, as well as the operational considerations associated with them (claims, actuarial/reserving, accounting). This will be followed by an analytical discussion on quantification of the increase in trends, and on the potential effects on ultimate loss estimates of continued elevated trends under various prospective scenarios.

Moderator: William Hansen

Speakers:

Christian Lemay, Senior Manager, EY

Michael McComis, , EY

Peter Venetis, Manager, EY

CS35: Who's Watching Me Now - the IRS?!

Concurrent Session, Track: Financial Reporting - 9/16/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Actuaries are familiar with the requirements of state regulation. But there is nothing in the syllabus, or in most actuaries' experience, about the implications that loss reserves have on income - and the consequent interest of the Internal Revenue Service.

This session will provide an overview of the IRS regulations regarding property/casualty insurer loss reserves. We will discuss the overlap and differences between IRS standards and statutory and actuarial standards.

We will review primary source material for the various standards. Legal cases interpreting the IRS regulations will also be discussed. Implicit in this is the definition of what a "reasonable range" is, and the various types of ranges for different circumstances. The process by which the IRS audits reserves, and adjusts them for tax purposes if necessary, will also be discussed.

The presentation will be similar to that given to several regional affiliated, most recently the MAF in March 2020.

Moderator: Peter Tomopoulos

Speakers:

Lawrence White, Actuary, IRS

CS5: Current Issues for Your 2021 Statement of Actuarial Opinion and Reserve Report

Concurrent Session, Track: Professional Development - 9/16/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Much has changed for appointed actuaries in the last 12 months. Covid-19 and the resulting impact on insurance products brings new considerations for development of reserves and writing of Statements of Actuarial Opinion. In addition, the NAIC has new requirements for qualifications and documentation of qualifications as well as new requirements for attestation and CE logging with the CAS. Join speakers from the industry and regulation to discuss these changes to help you prepare to write your 2021 actuarial opinions.

Moderator: Bonnie Maxie

Speakers:

Kendall Williams, Staff Actuary, Casualty Actuarial Society

Jeffrey Carlson, Director, Willis Towers Watson

Miriam Fisk, , Texas Department of Insurance

CS13: Impact of COVID-19 on the Sharing Economy

Concurrent Session, Track: Insuretech/Artificial Intelligence - 9/16/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

How did COVID-19 impact the following aspects of the Sharing Economy:

- Impact on the business: revenue, distribution shifts and others
- Impact on the claims process and type of claims
- Strategies to adjust the reserving process

Moderator: Sylvia Yang

Speakers:

Francois Morissette, Partner, S & F Actuarial Consultants

Vincent Lavalley-Laliberte, , Lyft, Inc.

Matt Callahan, VP | Sharing Economy + Mobility Group, Marsh

CS15: Managing Captives with Capital Modeling

Concurrent Session, Track: Risk Management - 9/16/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Captives need to operate as the insurance companies which they are. All insurance companies need to strategically deploy capital to achieve their operating goals. A robust capital model is the starting point. We will provide an overview of the inputs and outputs of a capital model. In addition, we will present examples for how a capital model can influence strategic decisions such as: (1) coverage layers; (2) lines of business; (3) reinsurance structure; (4) risk appetites and tolerances; (5) capital management, (6) investment strategies.

Moderator: Likang Zhang

Speakers:

Dan Gibson, , Oliver Wyman

Michael Atkinson, Senior Consultant, Oliver Wyman Actuarial Consulting

CS16: NCCI and WCRIB: Workers' Compensation - What's Now? What's Next?

Concurrent Session, Track: Line of Business - 9/16/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

A summary of the evolving state of the Workers' Compensation system as it is being affected by COVID-19 pandemic impacts including dramatic reductions in the workforce, reduced claim activity during the stay-at-home orders, an influx of COVID-19 claims and a potential surge of post-termination claims.

Moderator: Cristine Pike

Speakers:

David Bellusci, Executive Vice President, COO and Chief Actuary, W.C. Insurance Rating Bureau of California

Donna Glenn, Chief Actuary, NCCI Holdings, Inc

CS25: Stochastic Cape Cod: An Old Friend in a New Suit

Concurrent Session, Track: Advanced Reserving - 9/16/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Many of the existing reserve uncertainty techniques focus on results implied by chain ladder method, which has the advantage of being "automatic", meaning that with an average ratio selection (say, volume weighted average), the computer can produce a range of ultimate loss estimates with minimal judgmental inputs from the user.

Like chain ladder, Generalized Cape Cod (GCC) method is also "automatic," which allows it to fit naturally into the existing stochastic frameworks such as bootstrap. Although chain ladder bootstraps can be unstable or produce no coefficient of variation (CoV) in certain realistic reserving scenarios, we show that GCC always returns a CoV and is generally more stable.

Using Excel and open source software, we will demonstrate how actuaries can immediately apply this technique in their next reserve uncertainty study as an additional method or to help solve cases where traditional methods fail.

Moderator: Matthew Killough

Speakers:

Jonathan Sappington, Consultant, Willis Towers Watson

Enbo Jiang, Senior Analyst, Willis Towers Watson

CS29: The Robot Reserving Analyst

Concurrent Session, Track: Insuretech/Artificial Intelligence - 9/16/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Modern technology platforms provide reserving teams with additional brain- and muscle-power. How can we best deploy these robots and where can they add most value? What risks can they help mitigate when a team's ability to interact is compromised (as in the case of Covid-19) and what risks can they introduce? This session will look at how robots and automation utilities augment the work done within a reserving team and consider how it changes how stakeholders interact with both the reserving process and the results.

Moderator: William Hansen

Speakers:

James Mackay, , Willis Towers Watson
James Marshall, , Zurich North America

RT: Case Studies in Modernizing the Reserving Function

Roundtable Discussion, Track: Special Topics - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 3: Working knowledge of the subject

Many insurers have instituted modernization of their reserving processes. In this round-table discussion, we will speak about the importance of strategic thinking and planning as well as engagement with stakeholders. We will discuss short-term and long-term planning, project management vs. business as usual (BAU), professionalism issues (including technical and peer review, documentation, etc.), and communications. I look forward to also exploring typical challenges that can arise and brainstorm about solutions.

Moderator: Abby Sternberg

Speakers:

Jacqueline Friedland, President, J. Friedland Actuarial Consulting Inc.

RT: Racial, Ethnic and Gender Equity in California – Leading-Edge Legislation and the Impact on Bodily Injury Loss Reserves

Roundtable Discussion, Track: Special Topics - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

California Senate Bill 41 took effect January 2020, supported by a nationwide campaign to reduce racial and gender disparities in litigation outcomes. It will increase the loss reserves needed for bodily injury reserves on California auto, homeowners, and general liability lines.

At present, the claims settlements underlying these reserves are influenced by tables that vary by gender and sometimes by race. Prohibition of "reductions" for race, ethnicity and gender is expected to impose a new floor on claims amounts. The audience will be presented with the example of a boy and a girl, who suffer permanent injury, along with the damages amounts currently calculated for each. The audience will debate disparate impact, on nominally neutral claims amounts.

Moderator: Chris Holt

Speakers:

Craig Allen, Consulting Actuary, Craig A. Allen, FCAS

RT: Recent Developments in ILS Reserving

Roundtable Discussion, Track: Risk Management - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Due to a series of major catastrophe events over the past three years, the insurance-linked securities market has gained a wealth of experience in refining its models of catastrophe loss development. It has also wrestled with the issue of trapped collateral, where contractual buffers against reserve variability can lead to investors' collateral being held well past the expiration of the contract period and reduce their returns.

This year, the COVID-19 pandemic has produced another challenge for ILS reserving practices and introduced the industry to an entirely new type of catastrophe exposure. This roundtable will review some of the reserving lessons learned from recent loss activity in the ILS space, provide insight into the approaches and methodologies that companies and ILS funds are using to track COVID-19 impacts, and address any reserving topics associated with the ongoing 2020 hurricane season.

Moderator: Matthew Killough

Speakers:

Aaron Koch, Consulting Actuary, Milliman, Inc.
William Miller, , KPMG Bermuda

RT: Update of An Overview for P/C Insurers' Audit Committees

Roundtable Discussion, Track: Roundtable Discussions - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

This will be a discussion about COPLFR's revised version of the guide for Audit Committees. The content of the guide will be discussed as well as the best way to deliver this to audit committees.

Moderator: Lise Hasegawa

Speakers:

Brenda Hebert, , Travelers
Kathleen Odomirok, Principal, EY
John Pierce, President, John Pierce Consulting Actuary

RT: Mortgage Insurance - Reserving In the Midst of a Pandemic

Roundtable Discussion, Track: Line of Business - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Mortgage Insurance is a segment of the P&C market unfamiliar to most actuaries. And yet, it plays an important role in the housing finance system. In addition to providing an introduction to mortgage insurance, this session will focus on:

- The current pandemic's impact on mortgage insurers.
- Key differences in the economic landscape between the Global Financial Crisis of 2007-2008 and the 2020 COVID-19 crisis.
- Reserving techniques and frameworks utilized in estimate loss and premium provisions.

Moderator: Steve Talley

Speakers:

John Gaines, EVP-Chief Credit & Pricing Officer, Arch MI
Michael Schmitz, Principal and Consulting Actuary, Milliman, Inc.

RT: Professionalism: The Roles of the ASB and the ABCD

Roundtable Discussion, Track: Professional Development - 9/16/2020 - 5:40:00 PM - 6:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The session will provide an In-depth discussion of the distinct functions of both the ASB and the ABCD as well as illustrating the important role each plays in supporting the Profession.

Moderator: Laura Maxwell

Speakers:

Albert J. Beer FCAS, MAAA, Professor, St. John's University

THURSDAY, SEPTEMBER 17

RT: Large Loss Trends in Medical Professional Liability

Roundtable Discussion, Track: Line of Business - 9/17/2020 - 8:40:00 AM - 9:30:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

This roundtable will discuss large loss trend in Medical Professional Liability from both a severity and frequency standpoint and potential drivers of large losses and areas of concern.

Moderator: Rick Ramotar

Speakers:

Patricia MarzellaGraubert, VP, Sr Professional Lines Treaty UW, Swiss Re
Arthur Randolph, Principal & Consulting Actuary, Pinnacle Actuarial Resources, Inc.

RT: Covid in the Workplace: Who Pays?

Roundtable Discussion, Track: Healthcare - 9/17/2020 - 8:40:00 AM - 9:30:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

Roundtable participants will discuss the complex and evolving issues surrounding who is responsible for workplace-related Covid costs.

Some workers have contracted/will contract Covid from workplace exposure. If so, does their employer have workers' compensation liability? How does the shift in liability from health insurance (if the employee has health insurance) to workers' compensation impact the employee, employer, payer, and provider? Is workplace-required Covid testing a health insurance liability or a worker safety expense? Does it matter if the employer is fully insured or self-insured? What if the person being tested and submitting claims to an employer-sponsored health plan is an employee's dependent who works for another employer?

Moderator: Kevin Donnelly

Speakers:

Tia Sawhney, Owner and Managing Director, Teus Health, LLC

RT: We're All "Getting Social", But is It Really Social Inflation?

Roundtable Discussion, Track: Special Topics - 9/17/2020 - 8:40:00 AM - 9:30:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

There has been a lot of discussion about recent social inflation, but many of the identified factors would have been considered general inflation in the past. In this roundtable we'll explore current trends in inflation with a focus on similarities and differences from the past.

Moderator: Debbie King

Speakers:

Christina (Tina) Gwilliam, Consulting Actuary, Willis Towers Watson

CS1: A Practical Approach to Estimating the Unpaid Claim Liability Distribution

Concurrent Session, Track: Advanced Reserving - 9/17/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

The concept of a simple and practical approach for determining a reasonable estimate of the unpaid claim liability distribution will be described and feedback from the attendees will be encouraged. The approach will rely on information readily available in the Annual Statement, traditional actuarial analyses, and the Actuarial Opinion Summary. How this distribution and approach could be used by Appointed Actuaries and/or regulators to aid in their identification of the underlying causes for uncertainty and in assessing whether an affirmative RMAD should be in the Statement of Actuarial Opinion will be discussed.

Moderator: Chandu Patel

Speakers:

John Dawson, , Ashurst Beacon LLC

CS21: Rating Agency and Investor View on Financial Condition of Insurer

Concurrent Session, Track: Financial Reporting - 9/17/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

The current COVID-19 pandemic has certainly stressed the investment portfolio and underwriting of the P&C Industry. Our panel will consist of two individuals who monitor the P&C Insurance Industry on a daily basis. The panel will discuss the Industry from a Rating Agency and an equity research firm perspective. The panelists will discuss key issues used in the evaluation of the financial strength of a P&C Insurance company. Particular attention will be paid to how a company's loss reserves, underwriting and ERM capabilities are evaluated as part of their evaluation process. The panel will also share their observations regarding the Industry's response to the pandemic.

Moderator: David Foley

Speakers:

Kyle LaBarre, Partner,
Sarah Hibler, , Moody's Investors Service

CS34: Wheels: Commercial Auto, Another Dip in the Road

Concurrent Session, Track: Line of Business - 9/17/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

- This session provides a year-end 2019 holistic update to the Commercial Auto industry experience and trends, most recently presented at the May CAS On-line Webinar ("as part of the 4-year Wheels series"). In addition to reviewing items such as lengthening LDFs and large loss pressures on ILFs, a comparison between commercial and personal auto trends will be presented.
- A company actuary/underwriting managers perspective will be given on the state of the market, including the expected impact of various societal and jury impacts. Impacts on the portfolio and potential underwriting responses, as well as discussion of the significant issues and pausing impacts from Covid-19, will be given.
- To also help frame potential scenarios, this session will include a historical look to prior shock events including the Great Recession on premium level dips, troughs and recovery shapes, and a framework for measuring similar impacts under various Covid-19 emerging scenarios. A conceptual ac

Moderator: Sylvia Yang

Speakers:

John Buchanan, Principal, Excess & Reinsurance, ISO/Verisk
Sean Devlin, Team Leader - Actuarial Analytics, Swiss Re

CS4: Coffee Klatch for Opinion Writers

Concurrent Session, Track: Professional Development - 9/17/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 1: No prior knowledge of the subject

So, you have a few questions about your upcoming or recent opinion. You probably won't find a better place to get your answers than this session. Or maybe you have resolved an interesting issue in your opinion. Come and share your knowledge and help your fellow practitioners avoid similar problems. Need help making a better presentation to your board or senior management? These panelists are sure to have helpful insight, along with your fellow attendees. The same can be said about interacting with regulators, auditors and even lawyers. Bring your questions and take advantage of the collective experience that will be in this session.

Moderator: Joseph Herbers

Speakers:

Kathleen Odomirok, Principal, EY

Michael Toothman, ,

Joseph Herbers, Managing Principal, Pinnacle Actuarial Resources, Inc.

Edward Yorty, President and CEO, Pharmacists Mutual Insurance Group

CS8: Drivers of Social Inflation and the Impact on Casualty Results

Concurrent Session, Track: Risk Management - 9/17/2020 - 10:00:00 AM - 11:15:00 AM, Level of Knowledge: Level 2: General knowledge of the subject

The topic of this session is the drivers of social inflation and the impact on casualty results. Panelists will approach this issue from several different perspectives. The first panelist will review evidence of increased social inflation and the socio-economic drivers. It will include a review of the trends in court statistics and in jury verdicts. He will then discuss drivers including increased legal advertising, developments in litigation financing, and income inequality. The second panelist studies the relation between damage awards in jury trials and income inequality using four publicly available data sets.

Moderator: Rachel Dolsky

Speakers:

William Burns, , Conning

Frank Schmid, Chief Technology Officer, General Reinsurance Corporation

William Miller, , KPMG Bermuda

GS2: Coronavirus And Beyond: Secular and Cyclical Forces Coming Together

General Session, Track: General Session - 9/17/2020 - 12:00:00 PM - 1:15:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Full Title: Coronavirus And Beyond: Secular And Cyclical Forces Coming Together To Alter The P/C Industry

The presentation will address both our (Dowling's) current thoughts on COVID-19 and the related effects on the (re)insurance market from both a loss / reserving and market conditions perspective. By itself, COVID-19 is likely to be the largest (re)insured loss in the last 30+ years. When combined with a number of other secular changes and cyclical pressures, the P/C (re)insurance is poised for meaningful change. We'll explore the various moving pieces and where we expect to go from here.

Moderator: Peter Tomopoulos

Speakers:

Kyle LaBarre, Partner,

CS12: Healthcare Reserving, Including COVID-19 Considerations

Concurrent Session, Track: Healthcare - 9/17/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

As is all too obvious to everyone attending CLRS virtually, COVID-19 has impacted almost every aspect of our lives and our businesses. Short of frontline healthcare providers, one would be hard-pressed to name an industry that has been impacted more by COVID-19 than the Health Insurance industry. As an FSA, a healthcare reserving expert, and an actuarial specialist auditing health plan reserves for Deloitte & Touche, Todd Sherman has been immersed in understanding the financial impact of COVID-19 with all of his health plan clients, both large and small.

This session will start with a discussion of Healthcare reserving, comparing and contrasting to Property-Casualty reserving. This will set the stage for a discussion on the challenges in setting reserves in the face of the tremendous unknown caused by COVID 19.

Property-Casualty reserving actuaries are encouraged to attend and contribute to the discussion of this interesting topic. Healthcare reserves are really very similar to PC

Moderator: Kevin Donnelly

Speakers:

David Sherman, ,

CS14: Legacy Liabilities – Keep or Sell

Concurrent Session, Track: Line of Business - 9/17/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Many companies have legacy asbestos, pollution, sexual misconduct, workers' compensation and other liabilities. These exposures still generate new claims and some open claims continue to develop.

Management wants to focus on its current business plan and upcoming business opportunities. However, other third parties like AM Best and Stock Analyst are concerned with the legacy liabilities.

Therefore some management teams have reinsured or sold the liabilities to third parties to create finality. Other companies have decided to keep the liabilities on their Balance Sheet.

This session will discuss some recent deals and the type of analysis used by buyers and potential sellers of the liabilities. Some key items include- variability of results, quality of claims staff and how the actuaries interact with the claims staff to produce its work product, Claims/Insureds that have the potential to result in a very large claims, and new claim activity in the last 3-5 years

Moderator: Josh Merck

Speakers:

Brian Brown, Consulting Actuary, Milliman, Inc.

Rita Zona, ,

Deborah Price, , Argo Group

CS26: Stochastic Loss Reserving: A New Perspective from a Dirichlet Model

Concurrent Session, Track: Advanced Reserving - 9/17/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Forecasting the outstanding claim liabilities to set adequate reserves is critical for a nonlife insurer's solvency. Chain-Ladder and Bornhuetter-Ferguson are two prominent actuarial approaches used for this task. The selection between the two approaches is often ad hoc due to different underlying assumptions. We introduce a Dirichlet model that provides a common statistical framework for the two approaches, with some appealing properties. Depending on the type of information available, the model inference naturally leads to either Chain-Ladder or Bornhuetter-Ferguson prediction. Using claims data on Worker's compensation insurance from several US insurers, we discuss both frequentist and Bayesian inference.

Moderator: Matthew Killough

Speakers:

Peng Shi, Associate Professor, University of Wisconsin - Madison

CS28: The Future of Work is Flexible

Concurrent Session, Track: Special Topics - 9/17/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

To deliver more value to consumers, insurers are adopting advanced analytics and automation across their organizations. Technology is changing how work is done, redefining traditional roles. Technology has also enabled a rapid shift in where work is done, redefining the workplace. What can actuaries do to adapt to a rapidly changing work environment and ensure they remain critically valuable?

Moderator: Debbie King

Speakers:

Day Bishop, Director, Insurance Consulting and Technology, Willis Towers Watson
Stefan Peterson, Manager, Deloitte Consulting, LLP
Taralyn Slusarski, , Deloitte Consulting, LLP

CS30: Transportation is Advancing Rapidly, Will Commercial Insurance Keep Up the Pace?

Concurrent Session, Track: Insuretech/Artificial Intelligence - 9/17/2020 - 2:15:00 PM - 3:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

Transportation is rapidly evolving as connected and automated vehicle (CAV) technology becomes more commonplace. Dozens of cities have already piloted driverless shuttles and ridesharing companies have been carrying passengers in autonomous vehicles for years. Goods are also being carried by CAVs with autonomous trucks successfully navigating cross-country routes, while groceries and packages are being carried the last mile by unmanned vehicles. At this point, most of the focus has been placed on how insurance will adapt to CAVs for personal use, but there is a looming impact on commercial lines that needs to be considered. We will discuss the state of this technology and how it may reshape commercial insurance, such as auto, workers' compensation, cyber, and inland marine. Actuaries need to gain an understanding of this evolving technology in order to begin quantifying the impact CAVs will have on company stakeholders and to create effective strategies to account for this new risk in

Moderator: Laura Maxwell

Speakers:

Drew Groth, Associate Actuary, Milliman, Inc.
Jonathan Riehl, Transportation Systems Engineer, University of Wisconsin - Madison

CS17: Picture This: Using Data Visualization to Drive Results

Concurrent Session, Track: Special Topics - 9/17/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

According to John Tukey, former chairman of Princeton's statistics department, "the greatest value of a picture is when it forces us to notice what we never expected to see." In this session we will briefly introduce the topic of data visualization and provide examples of visuals in action. Examples will include dashboards oriented around streamlined reserve diagnostics and intuitive benchmarking against industry results, as well as an investigation of advanced visualization applications and best practices.

Moderator: Charles Lei

Speakers:

Nathaniel Loughin, Senior Associate, KPMG, LLP
Jennifer Andrzejewski, Director, KPMG, LLP
Alexis Patrick, , KPMG, LLP

CS18: Professionalism Considerations and the Reserving Actuary

Concurrent Session, Track: Risk Management - 9/17/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 1: No prior knowledge of the subject

The session will provide attendees with professionalism considerations when performing work related reserve evaluations and Statutory Statement of Opinions.

Moderator: Laura Maxwell

Speakers:

Mike Speedling, Director, Internal Audit, AXIS Capital

William Wilkins, Chief Risk and Predictive Analytics Officer, Safety National

CS2: Bayesian MCMC Stochastic Loss Reserve Models for Paid Loss Triangles

Concurrent Session, Track: Advanced Reserving - 9/17/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 3: Working knowledge of the subject

After a brief introduction to Bayesian MCMC stochastic loss reserve models, this session will present a number of models applicable to paid loss triangles. The output from these models will be a predictive distribution of outcome and various statistics that summarize this distribution. It will illustrate some real-time model selection tools, and some analyses of the various models' performance on lower triangle holdout data. A running debate among actuaries whether or not to use incurred loss data. This session will show how to use incurred loss data to improve the accuracy of paid loss estimates.

Moderator: Chandrakant Patel

Speakers:

Glenn Meyers, , Retired

CS33: What's Your Opinion? Actuarial Opinion Requirements across Jurisdictions

Concurrent Session, Track: Financial Reporting - 9/17/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge: Level 2: General knowledge of the subject

Most CAS members are generally familiar with the form, content and requirements for an NAIC statement of actuarial opinion. However, many non-US jurisdictions also require statements of actuarial opinion related to reserves carried on the balance sheet. How do these opinions compare/contrast with an NAIC statement of actuarial opinion? This session will focus on the form, content and requirements for actuarial opinions from a variety of non-US jurisdictions.

Moderator: Steve Talley

Speakers:

Denise Cheung, , PricewaterhouseCoopers

Veekash Badal, ,

Kyle Vrieze, , KPMG Bermuda

CS7: Directors' & Officers' Liability - The Evolving Landscape

Concurrent Session, Track: Line of Business - 9/17/2020 - 4:15:00 PM - 5:30:00 PM, Level of Knowledge:
Level 1: No prior knowledge of the subject

Explain what was happening in D&O market leading up to 2019, the market inflection in 2019 and potential Covid impact.

Moderator: Rick Ramotar

Speakers:

Ricardo Ramotar, VP, Sr. Actuary, Casualty Underwriting, Swiss Re

David Moore, President & Consulting Actuary, Moore Actuarial Consulting, LLC