Analytics Insights Conference Agenda
The futuring mindset for innovation

Chicago, Illinois—July 10-11, 2019

Wednesday, July 10

7:30 am – 5:00 pm	**Inpoint Claims Conference (optional)**	Audience: Claims executives and quality leaders
9:00 am - 11:30 am	**ReMetrica Workshops (optional)**	Audience: ReMetrica licensees, staff with ERM responsibilities and senior management that want greater exposure to economic capital modeling
12:00 pm	**Registration**	
1:30 pm	**Conversation with Greg Case**, CEO of Aon, **John Bruno,** COO of Aon and CEO of Data and Analytic Services, and **Greg Heerde**, Head of Americas Analytics, Aon	
2:30 pm	**Trending Now** Bryon Ehrhart, Global Head of Strategic Growth & Development, Aon	
3:15 pm	**Break**	
3:30 pm	**Operationalizing InsurTech Panel Discussion** Moderator: Jobay Cooney, InsurTech Strategy Leader, Aon Panelists: David Ertmer, Vice President of Claims, West Bend Steven Petrevski, Senior Vice President, Head of Enterprise Analytics, Aon Zach Powell, Managing Director, AXIS Digital Ventures	
4:30 pm	**Wildfire Panel Discussion** Moderator: Dan Dick, Global Head of Catastrophe Management, Aon Panelists: Dave Shew, Retired CAL FIRE Daniel Gorham, P.E., Research Engineer, Insurance Institute for Business & Home Safety Kumar Dhuvur, Head of Product and Co-Founder, zesty.ai	
5:30 pm	**Networking and Cocktails**	
6:30 pm	**Dinner with Keynote Speaker Sheryl Connelly,** Manager of Global Trends & Futuring at Ford Motor Company	

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Thursday, July 11

General Session

7:30 am	**Breakfast**
8:30 am – 3:30 pm	**Inpoint Claims Conference (optional)**
8:30 am	**Climate Risk and Hurricane Research** Moderator: Dan Dick, Global Head of Catastrophe Management, Aon Panelists: Suzana J. Camargo, Ph.D., Lamont Research Professor at the Lamont-Doherty Earth Observatory of Columbia University Michael Tippett, Ph.D., Associate Professor in Applied Physics and Mathematics of Columbia University
9:15 am	**The Promise, Pitfalls, and Process of Artificial Intelligence** Stephen Mildenhall, Ph.D., Assistant Professor of Risk Management and Insurance and Director of Insurance Data Analytics, St. John's University
10:00 am	**Break**
10:15 am	**Breakout Session 1**
10:55 am	**Breakout Session 2**
11:35 am	**Breakout Session 3**
12:15 pm	**Lunch**
1:00 pm	**Ten-minute session topics (optional)**
1:30 pm – 3:30 pm	**ReMetrica Workshop (optional)**
1:30 pm	**Breakout Session 4**
2:10 pm	**Breakout Session 5**
2:50 pm	**Unlocking Insurance Growth through Analytics Panel Discussion** Panelists: Jon Laux, Head of Cyber Analytics, Aon Derek Lietz, Vice President of Intellectual Property Solutions, Aon Robert Nendorf, Director of Data Science, Arity Dr. Robert T. Reville, President & CEO, Praedicat
3:50 pm	**Closing Remarks**

| 4:00 pm | **Networking & Cocktail Hour (optional)** | |

| 4:15 pm | **Professionalism Topics for Actuaries (optional 1 hour session)**
Dan Greer, Managing Director, Aon's Reinsurance Solutions | |

Friday, July 12

| 8:30 am - 11:00 am | **ReMetrica Workshops (optional)**
held at the Aon Center | Audience:
ReMetrica licensees, staff with ERM responsibilities and senior management that want greater exposure to economic capital modeling |

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Breakout Sessions

InsurTech

Internet of Things – at work and at home

We live in an increasingly connected world where consumers and businesses expect more value from the companies they engage. The Internet of Things (IoT) provides opportunities for the insurance community to provide additional value to insureds by reducing risk and increasing engagement with insureds. This session will discuss the current use cases for IoT in both personal and commercial insurance.

Presenter: Adam Troyer and Paul Eaton

State of InsurTech

What parts of the insurance value chain are being most impacted by InsurTech? What technology is gaining the most traction? How are the full stack InsurTech startups performing? These questions and more will be discussed in this session which will provide an update on the InsurTech landscape.

Presenter: Paul Eaton and Marc Boone

Tangible Use Cases of Machine Learning in Insurance Data

Insurers and other parties in the insurance industry have access to vast quantities of data, both public and private. This session will review a few of the machine learning methods that could be applicable to our industry. We will also discuss a recent use case for Aon in machine learning and the key learnings throughout that process.

Presenters: Serhiy Protsyuk, ELEKS and Ron Patterson, Aon

Deep Dive: Wildfire Risk Assessment Powered by AI

Multiple wildfires caused insured losses up to $34 billion in 2017 and 2018 taking the P&C industry by surprise. Historically, wildfire has been challenging to model; traditional models and 'fire scores' fail to incorporate property-specific attributes, and Fire Hazard Severity Zone maps tend to lack granularity. AON has partnered with Zesty.ai to leverage computer vision (AI) to enable insurance carriers to assess individual homeowners situations when assessing wildfire risk. By incorporating AI-based data and next generation models, insurance companies can more completely assess wildfire risk.

Presenters: Tony Meyers and Scott Anderson, Zesty AI

Actuarial and ERM

Building an ERM Framework for Regional Companies

Learn about the key phases of implementing or evaluating an ERM framework from developing the foundation to influencing the risk culture of the firm. We will also discuss evaluating the risk framework and risk quantification, providing an overview of Aon's proprietary tools such as the Risk Maturity Index, Risk Impact Tool for ERM (RITE), and ReMetrica, which are used to support client ERM initiatives. The session will review results from Aon's Global Risk Management Survey and Catastrophe Risk Tolerance Study as key ERM benchmarks.

Presenter: Pat Matthews and Derrick Oracki

Casualty Catastrophe Modeling

Hardly a week goes by without a headline in the Wall Street Journal stating the latest jury verdict or large settlement related to liability exposures. However, the risk management processes around this risk are not nearly as advanced as for property catastrophe risk. This session will discuss the current trends driving casualty cat losses and discuss the state of casualty accumulation modeling.

Presenter: Adam Troyer and Tom Kenia

Understanding and Modeling the Full Impact of Casualty Risk

As an industry, we do not model the full impact of casualty risk on an insurer's balance sheet very well. This session will review the historical impact of casualty risk on the industry and propose several ways to more accurately account for casualty risk.

Presenter: Daniel Greer

Capital Advisory and Market Security

AM Best Proposed Innovation Criteria

On March 14, AM Best released a request for comment on proposed criteria for Scoring and Assessing Innovation. In this session, Aon's Rating Agency Advisory team will review the details on how an insurer's innovation efforts will be measured to reach the final published Innovation Assessment.

Presenter: Paul Hyer and Jeremy Graczyk

Leveling the Playing Field: A Holistic Risk-Adjusted Profitability Framework

The income for insurance companies comes from both underwriting and investment income. Yet, most often risk / reward tradeoff decisions between underwriting and investment opportunities are made in isolation. This session will discuss a framework for making a holistic risk / reward decision reflecting both underwriting and investment opportunities. Both economic capital and rating agency capital models are used in this framework.

Presenters: Adam Troyer and John Jacobi

Industry Loss Reserve Study and Managing Adverse Loss Development

Learn about the results from Aon's annual P&C Industry Reserve Study. The Study has been revamped in 2019 to provide more granular insights into reserve adequacy and reserve volatility by company segment. In addition, results from more advanced methods will be compared to results from traditional actuarial methods.

Following the discussion on Aon's view of the industry reserve position, we will discuss a major risk to (re)insurers in adverse reserve development, which has a negative impact on both shareholder value as well as capital and ratings. Carrier use of retroactive reinsurance such as loss portfolio transfers and adverse development covers has been increasing, and new markets and capacity are supporting a greater number of these deals.

Presenter: Karen Buchbinder and Dustin Loeffler

What's Wrong with the Reinsurance Market?

After two years of elevated catastrophes, with capital and earnings volatility and Lloyd's well publicized challenges, the reinsurance market appears to be broken - or at least facing a number of significant tests. But many reinsurers are demonstrating their resiliency to the current market conditions and are emerging as stronger counterparties. Learn how the leading reinsurers are evaluating U.S. ceding insurers (and why!). This session will provide an update on the latest reinsurer strategies, the changes being made in the Lloyd's market, and emphasize the importance of selecting the right reinsurance partners.

Presenter: Mike McClane

Catastrophe Management

Hurricanes in the Northeast: Insight into Current and Future Risk

Catastrophe models rely on historical data to create realistic event sets for assessing natural hazard risk around the globe. But what happens when the historical data is limited, e.g., hurricanes in the Northeast U.S., but the risk is non-negligible and the potential consequences significant? This session will cover how models augment historical data to consider events that have not yet, but could, occur, with an introduction to the new Impact Forecasting U.S. hurricane model. Learn about current climate change research and its potential impact on event intensity, frequency, and sea level rise.

Presenter: Megan Hart

Model Performance and Aon View of Risk

For insurers endeavoring to customize their view of risk, the increase in model vendors, available peril regions, and complex model updates provide more options than ever. However, have these changes resulted in 'better' model indications over time? We will review Aon's analysis of model performance in recent events and seek to answer this question. Aon's view of risk initiative will provide increased model choice along with customized model validation to help insurers have increased confidence in their selected view of risk.

Presenter: Emily Moore and Dan Dick

Practical Applications of Robotic Process Automation in Risk Management

Technologies like Robotic Process Automation can be a force multiplier in allowing companies to bring efficiency and increased productivity to their processes. One use case at Aon involves implementing UIPath in our model automation workflow to increase data throughput by up to 70 percent. Learn more about alternative applications and other available technologies for making repetitive and rote processes quicker and more accurate.

Presenters: Meredith White, Aon

We Didn't Start the Fire, but We Do Know How to Manage It

Two years in a row of significant wildfire activity demands continued focus on this peril. Insurers are struggled with severe losses, immature cat models, and one of the most challenging regulatory environments. This session offers our complete roadmap for managing wildfire risk, including tools for identifying and managing peak accumulations, and ensuring that you are able to get the right rates for your policies. We will provide strategies on how to navigate the changes that the governor and commissioner of California are contemplating.

Presenters: Katie Carter and Matt Goldrich

Practice Groups

Managing Silent Cyber Risk

For most insurers, the greatest threat from cyber risk is not accumulations from cyber insurance products, but rather the non-affirmative or "silent cyber" risk residing in traditional property and casualty policies. Silent cyber risk is not new, but concerns are growing due to increased regulatory scrutiny, demand for sound corporate governance, and high-profile cyberattacks. In this session, we will discuss how Aon is working strategically with insurers and reinsurers to identify, quantify, and mitigate silent cyber exposure.

Presenters: Jon Laux and Julia Cederot