

OCTOBER 2-3, 2017 - HYATT REGENCY WACKER DRIVE - CHICAGO, ILLINOIS



OCTOBER 2-3, 2017 HYATT REGENCY WACKER DRIVE - CHICAGO, ILLINOIS

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ANTITRUST NOTICE

The Casualty Actuarial Society is committed to adhering strictly to the letter and spirit of the antitrust laws. Meetings conducted under the auspices of the CAS are designed solely to provide a forum for the expression of various points of view on topics described in the programs or agendas for such meetings. Under no circumstances shall CAS meetings be used as a means for competing companies or firms to reach an understanding — expressed or implied — that restricts competition or in any way impairs the ability of members to exercise independent business judgment regarding matters affecting competition. It is the responsibility of all meeting participants to be aware of antitrust regulations, to prevent any written or verbal discussions that appear to violate these laws, and to adhere in every respect to the CAS antitrust compliance policy. For more complete information regarding the CAS antitrust compliancy policy, please refer to the CAS website at http://www.casact.org/professionalism/policiesProc/index.cfm?fa=antitrus.

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SCHEDULE AT A GLANCE

Unless otherwise noted, all program activities will take place on the Concourse Level (East Tower).

SUNDAY, OCTOBER 1, 2017

4:00 p.m. – 6:00 p.m.	Registration	Michigan Foyer

MONDAY, OCTOBER 2, 2017

7:00 a.m. – 5:30 p.m.	Registration	Michigan Foyer
7:00 a.m. – 8:30 a.m.	Continental Breakfast	Roosevelt
8:30 a.m. – 10:00 a.m. Livestreamed	General Session 1: (Up to 1.8 CE) GS-1: Actuaries and Digital Insurance Innovation	Michigan 1 Description on Page 7
10:00 a.m. – 10:15 a.m.	Refreshment Break	Roosevelt
10:15 a.m. – 11:30 a.m.	Concurrent Sessions: (Up to 1.5 CE)	Descriptions on Page 8
Livestreamed	CS-7: Challenges in Flood Modeling and in Utilizing New Models for Rating/Underwriting	Michigan 1
	CS-1: 2017 Survey Results - Machine Learning: Adoption & Evolution	Michigan 2
	CS-10: iCAS Session	Michigan 3
11:30 a.m. – 1:00 p.m.	Luncheon	Crystal Ballroom Lobby Level (West Tower)
1:00 p.m. – 2:15 p.m.	Concurrent Sessions: (Up to 1.5 CE)	Descriptions on Pages 9-10
Livestreamed	CS-4: The Changing Role of the Actuary in the Face of Robotics and Process Automation	Michigan 1
	CS-6: Cyber Cat Modeling	Michigan 2
	CS-13: Outside the Box: The Role for Actuaries in ILS	Michigan 3
2:15 p.m. – 2:30 p.m.	Networking Break	
2:30 p.m. – 3:45 p.m.	Concurrent Sessions: (Up to 1.5 CE)	Descriptions on Pages 11-12
Livestreamed	CS-2: Actuaries' Impact in Technology Implementations	Michigan 1
	CS-9: Ensembles and Combining Models	Michigan 2
	CS-12: Microinsurance - Applications and Innovations	Michigan 3
3:45 p.m. – 4:00 p.m.	Refreshment Break	Roosevelt
4:00 p.m. – 5:30 p.m. Livestreamed	General Session 2: (Up to 1.8 CE) GS-2: Why did THIS Future Emerge? – Integrating the Downstream Effects of Shaping Ideas Using Holistic Assessment to Forecast Change	Michigan 1 Description on Page 13
5:30 p.m. – 6:30 p.m.	Reception	Roosevelt
7:00 p.m.	Dinner Groups	In Focus Seminar Registration Desk

TUESDAY, OCTOBER 3, 2017

7:15 a.m. – 12:00 p.m. 7:15 a.m. – 8:00 a.m.	Registration Continental Breakfast	Michigan Foyer Roosevelt
7:17 a.iii. — 6:00 a.iii.		
8:00 a.m. – 9:15 a.m.	Concurrent Sessions: (Up to 1.5 CE)	Descriptions on Pages 14-15
	CS-11: InsTech - Disruption and Innovation in the	Michigan 1
	Insurance Space	
	CS-3: An Actuary's Outside Perspective on Innovation	Michigan 2
	CS-5: Blockchain for Actuaries	Michigan 3
9:15 a.m. – 9:30 a.m.	Networking Break	
9:30 a.m. – 10:45 a.m.	Concurrent Sessions: (Up to 1.5 CE)	Descriptions on Pages 16-17
	CS-14: Peer to Peer Insurance	Michigan 1
	CS-15: Professionalism, Politics, and Prediction Error	Michigan 2
	CS-8: Disruptive Technology and Risk	Michigan 3
10:45 a.m. – 11:00 a.m.	Refreshment Break	Roosevelt
11:00 a.m. – 12:30 p.m.	General Session 3: (Up to 1.8 CE)	Michigan 1
	GS-3: The Innovation Mindset	Description on Page 18

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SEMINAR OVERVIEW

In our rapidly changing profession, P&C actuaries face new challenges every day.

As risks emerging from new technologies require more complex risk quantification and management tools, previous methods may no longer be relevant. At the same time, tools of the digital revolution — smartphones and wearable devices — are giving us more data than ever before. It is vital that actuaries mine this increasing volume of data and develop innovative techniques to evaluate it.

The Casualty Actuarial Society (CAS) invite you to be a part of the 2017 In Focus Seminar: "The Actuary of Tomorrow" scheduled for October 2-3 in Chicago, Illinois. At the 2017 In Focus Seminar, we'll address these challenges head-on with actuaries and other professionals conveying how to accommodate change and disrupt established ways of thinking. You will learn how to build better ideas, fail fast and safely, and apply your skills in nontraditional roles. Join us ... because, ready or not, tomorrow is now.

IN FOCUS SEMINAR PLANNING COMMITTEE

This committee is responsible for developing the program for two-day seminars on topics of current interest. Past seminars addressed subjects such as government in insurance, the underwriting cycle, predictive modeling, environmental and catastrophic risk, emerging technologies, medical cost containment, valuation, profitability and rate of return methodologies, and international issues.

Robert J. Curry, FCAS, *Chairperson* Vinu Kuriakose, FCAS, *Vice Chairperson*

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Fang (Alice) Yang, FCAS
Kevin Michael Bingham, ACAS
Aaron M. Halpert, ACAS

CASUALTY ACTUARIAL SOCIETY'S ENVISIONED FUTURE (FROM THE CAS STRATEGIC PLAN)

The CAS will be recognized globally as the premier organization in advancing the practice and application of casualty actuarial science and educating professionals in general insurance, including property & casualty and similar risk exposure.

SPEAKER OPINIONS

The opinions expressed by the speakers at this event are their own and do not necessarily reflect the positions of the CAS.

MEETING LOCATION

Hyatt Regency Chicago 151 East Wacker Drive Chicago, Illinois, USA, 60601 Tel: +1 312 565 1234

Check In: 3:00 p.m. Check Out: 12:00 p.m.

CONFERENCE ATTIRE

Conference Attire

Casual business attire is suggested for the conference sessions and reception. It's best to wear layered clothing as meeting rooms tend to fluctuate in temperature. In Chicago, the average high temperature during October is 62 degrees F and the average low is 43 degrees F. A badge is required for admittance to **ALL** In Focus Seminar functions.

CAS CONTINUING EDUCATION

This activity may quality for up to **12.9 CE*** Credits for CAS members. Participants should claim credit commensurate with the extent of their participation in the activity. CAS members earn 1 CE Credits per 50 minutes of educational session time not to include breaks and/or lunch.

The CAS Continuing Education Policy applies to all ACAS and FCAS members who provide Actuarial Services. Actuarial Services are defined in the CAS Code of Professional Conduct as "professional services provided to a Principal by an individual acting in the capacity of an actuary. Such services include the rendering of advice, recommendations, findings or opinions based upon actuarial considerations." Members who are or could be subject to the continuing education requirements of a national actuarial organization can meet the requirements of the CAS Continuing Education Policy by satisfying the continuing education requirements established by a national actuarial organization recognized by the Policy. For future information regarding the CAS Continuing Education Policy, please visit the CAS website www.casact.org/education.

* The amount of CE Credit that can be earned for participating in this activity must be assessed by the individual attendee. It may also be different for individuals who are subject to the requirements of organizations other than the Casualty Actuarial Society.

NETWORKING ACTIVITY – DINNER GROUPS

Monday, October 2, 7:00 p.m., CAS Registration Desk

Not sure what to do with your free evening? Sign up for a dinner group and explore Chicago's culinary scene with other attendees from both the In Focus and ERM for the P&C Actuary Seminars. This is a great networking opportunity! The dinner group will meet at the Seminar Registration Desk 30 minutes before the time of the dinner reservation and walk together to the restaurant. **Participants are responsible for their own expenses.**

2017 THE ACTUARY OF TOMORROW



Basic. No prior knowledge of the subject (0-3 years)



Intermediate. General knowledge of the subject (4-9 years)

GENERAL SESSION IMONDAY, OCTOBER 2, 8:30 - 10:00 AM



GS-1: Actuaries and Digital Insurance Innovation

Room: Michigan 1

This session will be led by actuaries who have transitioned from traditional actuarial roles to key roles in an InsureTech company. We will discuss how we think of insurance product, underwriting and rating to be digitally consumable and present a case study with a partner carrier. We will also discuss the value actuaries bring to a tech-focused environment and the skills necessary to be successful.

Learning Objective(s):

- Describe key considerations to develop insurance products that are digitally consumable.
- Discuss the latest trends in digital insurance products and distribution.
- Understand the skills and experience needed to transition as an actuary into a digital insurance environment.

Speakers: Kelli Broin, Vice President, Product, CoverHound

Anita Sathe, Chief Strategy Officer, CoverHound

Kjersten Elias, Chief Product Officer, CoverHound

CONCURRENT SESSIONS IMONDAY, OCTOBER 2, 10:15 - 11:30 AM



CS-7: Challenges in Flood Modeling and in Utilizing New Models for Rating/Underwriting

Room: Michigan 1

During its creation, each new catastrophe model presents challenges that vendors must address. This session will present some of the challenges to modeling flood in the U.S. Attendees will learn methods for translating model output into a rating plan for commercial flood coverage.

Learning Objective(s):

- Understand possible methods for converting model output into a rating plan.
- Identify important rating considerations unique to the flood peril.
- Understand coverage differences between a traditional Property and NFIP policies.

Speakers: John Elbl, Vice President, AIR Worldwide

Ray Tobias, Actuarial Analyst Senior, ISO



CS-1: 2017 Survey Results - Machine Learning: Adoption & Evolution

Room: Michigan 2

We live in a world surrounded by analytics. It is everywhere. Sports teams use it to get an edge on the competition, Netflix uses it to predict which shows you are most likely to like and Amazon uses it to introduce you to additional products you didn't even know you wanted. The insurance world is no different. Machine learning and advanced analytics techniques are being used all across the industry including the pricing process. In this session, we will review the interesting findings of a survey conducted around the extent of usage of machine learning and predictive analytics practices among insurance pricing practitioners. Besides learning about the current status of analytics usage, we learn how pricing practitioners are continuing to advance the science. This session will also include live polling to dig deeper into some responses.

Learning Objective(s):

- Understand the current state of machine learning in the P/C insurance industry.
- Identify potential use cases where your company could leverage machine learning.

Speaker: Drew Lawyer, Principal Consultant, Earnix Ltd.



CS-10: iCAS Session

Room: Michigan 3

This session will discuss recent and upcoming developments in The CAS Institutes (iCAS). Rather than perpetuate the perception that there is a "great divide" between actuaries and data scientists, iCAS envisions a collaborative, multi-disciplinary approach of complementary skill sets.

Learning Objective(s):

• Learn about iCAS and how it applies to them.

Speaker: Christopher Monsour, Vice President & Actuary, Predictive Business Applications,

CNA Insurance Companies

CONCURRENT SESSIONS IIMONDAY, OCTOBER 2, 1:00 - 2:15 PM



CS-4: The Changing Role of the Actuary in the Face of Robotics and Process Automation

Room: Michigan 1

Many jobs across the economy are quickly becoming disrupted as a result of robotics and process automation. From accounting clerks to manufacturing facilities, traditional roles are quickly disappearing as computers are able to take on more and more sophisticated processes. Are actuaries next? Using a process called Pixelation, this session will explore the many tasks that actuaries perform and what parts of our roles could be disrupted and replaced. At the same time, we will discuss how this disruption can have a positive impact on the many roles that actuaries play and how we can provide even more value to our many constituents.

Learning Objective(s):

Explore the operational processes that actuaries perform.

Speakers: Bruce Fell, Principal, Deloitte Consulting, LLP

Jonathan Ankney, Managing Director, Deloitte Consulting, LLP



CS-6: Cyber Cat Modeling

Room: Michigan 2

The session will focus on the current state of the market, as well as current and future cyber modeling development. More in depth views of potential long term modeling goals such as probabilistic, emerging risks and accumulations will be discussed while drawing parallels to the historical modeling industry.

This session will focus on:

- Cyber insurance landscape opportunity vs. threat, direct vs. silent cyber
- Evolution of cyber modeling and where cyber models stand today
- Model development (drawing parallel between cyber model and natural cat model)
- User case discussion: main cat accumulation concerns from insurers who have been traditionally focused on property cat but are now keeping their eyes on cyber accumulation as well
- AIR case study: how AIR addresses accumulation of cyber risk

Learning Objective(s):

Learn about the current state of the market, as well as current and future cyber modeling development.

Speakers: John Elbl, Vice President, AIR Worldwide

Yan Lap (Jess) Fung, Executive Vice President, Willis Towers Watson

Nicole Hackett, Senior Vice President, Willis Towers Watson



CS-13: Outside the Box: The Role for Actuaries in ILS

Room: Michigan 3

Over the last several years, the Insurance-Linked Securities market has grown to encompass a broad range of new instruments and structures. Expanding past a catastrophe model driven market to include a range of additional lines of business, the recent trends in the market have led to an increased role for actuaries in pricing and reserving for the associated reinsurance risk.

In this session, we will introduce what it means to do actuarial pricing and reserving in an ILS context. We will also look at how actuaries have played a role in some of the recent innovations in the market, and how they may continue to see their role increase in the near future.

Learning Objective(s):

- Illustrate the growing role for actuaries in the insurance-linked securities market on topics of both pricing and reserving.
- Envision the potential role for actuaries in the future as the ILS market continues to diversify to new perils and lines of business.

Speaker: Aaron Koch, Consulting Actuary, Milliman, Inc.

CONCURRENT SESSIONS IIIMONDAY, OCTOBER 2, 2:30 - 3:45 PM



CS-2: Actuaries' Impact in Technology Implementations

Room: Michigan 1

Our session will focus on developing the business case and defining critical required capabilities during the vendor selection process, defining and rationalizing the product architecture, supporting rating and pricing tools, identifying opportunities to streamline the portfolio, and defining functional requirements to maximize the process efficiency and downstream reporting and analytics needs. Throughout the product lifecycle, actuaries help the business to realize competitive advantages arising from the increased data capabilities, better information fluency, and employment of advanced analytics, while further developing their pricing and general business skills.

Learning Objective(s):

- Understand the phases of a PAS implementation.
- Understand how actuaries contribute to a PAS implementation.
- Understand the importance of actuaries to a successful implementation, based on learnings from the industry.

Speakers: Peter Tomopoulos, Senior Manager, Deloitte Consulting, LLP

Kelly Cusick, Managing Director, Deloitte Consulting, LLP Nilay Doshi, Senior Manager, Deloitte Consulting, LLP

Leigh Kenwothy, Senior Actuary; Global Specialty Actuarial – Pricing, Liberty

Mutual Insurance



CS-9: Ensembles and Combining Models

Room: Michigan 2

Ensembles are powerful analytical methods used commonly in the wider Predictive Analytics community outside of Insurance. We'll describe the rationale and explain the effectiveness of Ensembles in general, as well as the basic approaches of bagging and boosting Ensembles of Trees. Advantages of Ensembles on insurance data will be shown and the issues surrounding complex models discussed. Finally, strategies for combining linear regression and ensemble models will be explored.

Learning Objective(s):

- Understand how and why Ensembles are effective.
- Understand how Ensembles can be used in an Insurance context.
- Understand how Ensembles can be combined with more traditional techniques.

Speaker: Christopher Cooksey, Head Actuary, Data & Analytics, Guidewire Software



CS-12: Microinsurance - Applications and Innovations

Room: Michigan 3

Microinsurance typically refers to smaller policies that target low-income groups, but the concept and its potential applications reach far beyond this. Our microinsurance session will discuss how a number of different trends and developments in the insurance industry, such as mobile platforms, Insurtechs, blockchain and new sources of data, are enabling microinsurance to innovatively serve the traditional and emerging demands of developing as well as mature markets.

Furthermore, we will also discuss key factors to consider when estimating the demand and risk of prospective markets, important differences in product design and how to evaluate the success and impact of a program.

Learning Objective(s):

• Gain deeper understanding of microinsurance products and concepts- important considerations for market selection and product design- potential solutions for challenges such as pricing and fraud- microinsurance as a key concept behind technology-enabled.

Speakers: Xiaosu Wash, Actuarial Analyst, Verisk Solutions

Eric Cheung, Team Lead, RSA Canada

GENERAL SESSION IIMONDAY, OCTOBER 2, 4:00 - 5:30 PM



GS-2: Why did THIS Future Emerge? – Integrating the Downstream Effects of Shaping Ideas Using Holistic Assessment to Forecast Change

Room: Michigan 1

Why did this, and not some other, 'future' emerge? We cannot ever be certain, but it is also not necessary to be clueless, surprised or lost. Human societies chose to shape ideas, institutionalize them, and pursue them via policies and goals, and reap their desired and undesired consequents. This talk explores two major 20th-century shaping ideas and examines how they brought us to this 21st-century backlash against globalization with these particular accompanying political, societal, and cultural impacts. The focus is on how holistic assessment enables such foresight from nearly a decade prior.

Learning Objective(s):

• Learn how to use holistic assessment to forecast change.

Speaker: Guntram Werther, Fox School of Business-Professor, Marketing and Supply Chain

Management, Temple University

CONCURRENT SESSION IV TUESDAY, OCTOBER 3, 8:00 - 9:15 AM



CS-11: InsTech - Disruption and Innovation in the Insurance Space

Room: Michigan 1

The insurance market is ripe for disruption and new companies embracing advanced technology and the growing millennial customer base are making a play. How are these startup entities breaking into the insurance space, and should we be concerned? Explore the latest research on the InsTech space and what this means for long-standing traditional carriers and get an inside view from a recent start-up geared toward the "sharing and on-demand economy".

Learning Objective(s):

• Understand the basic terminology regarding InsurTech and providing insurance for the sharing economy.

Speakers: Thomas Ryan, Consulting Actuary, Milliman, Inc.

Michael Visintainer, Co-Founder and Partner, Y-Risk



CS-3: An Actuary's Outside Perspective on Innovation

Room: Michigan 2

Aaron Fezatte will discuss the principles of innovation from an actuary's perspective working outside the insurance industry. Aaron currently works at Expedia, Inc., one of the largest travel companies in the world, with an extensive brand portfolio that includes some of the world's leading online travel brands. Besides its namesake website, Expedia also owns other travel brands including Orbitz and Travelocity, and a majority stake in Trivago.

Learning Objective(s):

- Understand why traditional product development is expensive and slow, and ways an innovation mindset can accelerate the process.
- Create your own ideation sessions to solve customer problems, fix processes, or prioritize investments.
- Uses of Minimum viable products to accelerate learning, and failing fast and cheap.

Speaker: Aaron Fezatte, Pricing Strategy Manager, Expedia Inc.



CS-5: Blockchain for Actuaries

Room: Michigan 3

Imagine an insurance industry without paperwork, a system where some claims are verified and handled almost instantly, and applications/renewals are approved nearly as fast. Imagine being able to minimize fraudulent claims or loss adjustment expenses with a massive, decentralized database that leverages real-time data sources of almost unimaginable size. Imagine the cost savings to your company of improving efficiency across the insurance value chain (from product management to underwriting, to claims, to customer service), all while potentially increasing the security of your policyholder's data. Now imagine that the technology to do this already exists. It does. The hot name right now is 'blockchain technology.'

Learning Objective(s):

- Understand the basic technology and terminology underlying the blockchain.
- Learn potential applications of blockchain on an industry-wide and company-specific basis.
- Learn current applications and recent advances within the industry.

Speakers: Michael Henk, Consulting Actuary, Milliman, Inc.

Robert Bell, Associate Actuary, Milliman, Inc.

CONCURRENT SESSION V TUESDAY, OCTOBER 3, 9:30 - 10:45 AM



CS-14: Peer to Peer Insurance

Room: Michigan 1

In the first part of the session, the KPMG consultant will provide an overview of the peer to peer insurance companies around the world in general. He will provide some background on the various forms of business models that refer to themselves as peer to peer.

Then, Karim Lalani will provide an overview of 'true' peer to peer. He explains why this is different from other providers and what factors in the customer experience distinguishes this from other forms.

Suggested Attendees:

Insurance Executives who are responsible for innovation in their organization. Product managers who are responsible for the delivery of new products and services. Managers who are responsible for Customer experience and engagement.

Learning Objective(s):

- Learn how innovations lead by Insurtechs can be integrated into the traditional insurance model.
- Learn how peer-to-peer risk sharing fits with the rising sharing economy.
- Learn how previously difficult to obtain data can be generated through consumer interactions with new technology.

Speakers: Houston Cheng, Senior Manager, KPMG, LLP

Karim Lalani, Besurance Corporation



CS-15: Professionalism, Politics, and Prediction Error

Room: Michigan 2

Great effort has been expended in politics analyzing what went right and wrong in predicting outcomes of recent votes such as the 'Brexit referendum' and 2016 US presidential election. At the heart of these debates are issues such as validity and transparency of assumptions, quality of data, and relevance of the past in predicting the future. Such considerations could easily be discussed in the context of actuarial professionalism. In this interactive session, we analyze political prediction processes, draw insurance analogies, and debate appropriate professional considerations for actuaries.

Learning Objective(s):

- Understand data quality and sampling issues in political prediction that may present professional challenges for actuaries.
- Understand considerations regarding using and external data past data, and external models, to predict future outcomes.
- Present best practices for documenting assumptions and uncertainty as relates to prediction processes.

Speaker: Jim Weiss, Director, Analytic Solutions, ISO



CS-8: Disruptive Technology and Risk

Room: Michigan 3

Disruptive technologies such as nanotechnology, robotics, autonomous vehicles and many others tend to both giveth and taketh away in terms of risk. This session will examine the role of disruptive technology on several distinct industries and assess areas where risk is reduced and others where uncertainty is increased.

Learning Objective(s):

- Understand the impact of disruptive technology on several industries.
- Understand how these impacts will change the risks these industries face.
- Understand the evolving role actuaries will play in quantifying risk in these industries. The role of captive insurance will also be examined.

Speaker: Robert Walling, Principal & Consulting Actuary, Pinnacle Actuarial Resources, Inc.

GENERAL SESSION III TUESDAY, OCTOBER 3, 11:00 AM - 12:30 PM



GS-3: The Innovation Mindset

Room: Michigan 1

We hear a lot of buzz around innovation, but wonder how this applies to an actuary. Is there a particular mindset that spurs innovation? What can actuaries learn from the tech world on innovation? Most of the Insuretech innovation seems to place focus on the distribution/underwriting aspects, but roughly 2/3rd of the premium dollars go to losses and LAE. Actuaries have a key role in managing losses and LAE and can bring innovation to help better manage losses and LAE. This session will be a panel discussion on the mindset that spurs innovation. The actuaries on the panel have broad experience in traditional and/or non-traditional actuarial roles and some have also had roles outside of the insurance industry. They will share their thoughts on (1) innovations in the insurance and non-insurance world, (2) what skillsets actuaries need in addition to traditional actuarial skillsets for bringing innovative ideas to market (or to their work products)

Learning Objective(s):

- Learn innovations in the insurance and non-insurance world.
- Discover what skillsets do actuaries need in addition to traditional actuarial skillsets for bringing innovative ideas to market (or to their work products).

Speakers: Aaron Fezatte, Pricing Strategy Manager, Expedia Inc.

Frank Chang, Director, Actuary, Uber Technologies

Scott Henck, Senior Vice President & Actuary, Chubb

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PERSONAL ATTENDANCE RECORD

The InFocus Seminar designates this educational activity for a maximum of **12.9** CE Credits based on a 50 minute CE hour. Participants should claim credit commensurate with the extent of their participation in the activity. It is an actuary's responsibility to make a reasonable, good-faith determination of what CE opportunities will enhance his or her ability to practice in a desired field. CAS members earn 1 CE Credit per 50 minutes of educational session time, not to include breaks or lunch.

Start Time	Name	Credit	Attended
8:30 a.m.	GS-1: Actuaries and Digital Insurance Innovation	Up to 1.8	
10:15 a.m.	CS-7: Challenges in Flood Modeling and in Utilizing New Models for Rating/Underwriting	Up to 1.5	
	CS-1: 2017 Survey Results - Machine Learning: Adoption & Evolution		
	CS-10: iCAS Session		
1:00 p.m.	CS-4: The Changing Role of the Actuary in the Face of Robotics and Process Automation	Up to 1.5	
	CS-6: Cyber Cat Modeling		
	CS-13: Outside the Box: The Role for Actuaries in ILS		
2:30 p.m.	CS-2: Actuaries' Impact in Technology Implementations	Up to 1.5	
	CS-9: Ensembles and Combining Models		
	CS-12: Microinsurance - Applications and Innovations		
4:00 p.m.	GS-2: Why did THIS Future Emerge? – Integrating the Downstream Effects of Shaping Ideas Using Holistic Assessment to Forecast Change	Up to 1.8	

Tuesday, October 3, 2017				
Start Time	Name	Credit	Attended	
8:00 a.m.	CS-11: InsTech - Disruption and Innovation in the Insurance Space	Up to 1.5		
	CS-3: An Actuary's Outside Perspective on Innovation			
	CS-5: Blockchain for Actuaries			
9:30 a.m.	CS-14: Peer to Peer Insurance	Up to 1.5		
	CS-15: Professionalism, Politics, and Prediction Error			
	CS-8: Disruptive Technology and Risk			
11:00 a.m.	GS-3: The Innovation Mindset	Up to 1.8		

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NOTES



CASUALTY ACTUARIAL SOCIETY

UCAS Recordings Bundle Big Data and Insurance Innovations Recordings (2014-2017)

10% discount valid for 2017 In Focus Seminar Attendees

This form is to purchase the Big Data and Insurance Innovations (2014-2017) UCAS Recordings Bundle, which is comprised of 14 of the most highly rated sessions from CAS conferences between 2014-2017. This bundle is being made available to 2017 In Focus Seminar Attendees at a rate of \$129 (\$115 – 10% off).

REGISTRATION INFORMATION

Name:					
JobTitle:					
Organization:					
Address:					
City:	State/Province:	Postal (Code:	Country: _	
Business Phone:		Email Add	dress:		
Affiliation: 🗆 FCAS 🗆 A	ACAS Active Candidate	☐ CAS Affiliat	e 🛭 Other		N/A
PAYMENT INFORMA	TION				
Recordings Bundle 2017	In Focus Seminar Attendee R	ate 🖵 (\$12	29 \$115 – 10% off)		
In Focus Seminar Post-E	vent Session Recordings	(\$50))		
☐ Check enclosed (do no	ot fax and mail registration fo	rm)			
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Credit Card Number:			Exp. Date		(month/year)
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Credit Card Billing Addre	ess:				
Signature:					

If Paying by Credit Card

Complete this form and MAIL to Casualty Actuarial Society 4350 North Fairfax Drive, Suite 250 Arlington, VA 22203

OR fax to: (703) 276-3108

If Paying by Check

Complete this form and send with check made payable to: Casualty Actuarial Society PO Box 425 Merrifield, VA 22116-0425

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