## JOINT RISK MANAGEMENT

*(Vote for up to four candidates)*

Matthew Emery

Xinliang Stella Lu

Kyle Rooker

*Kailan Shang

Sandee Schuster

*Vy (Ngoc) Le

Nannan Liu

Gerald Adamski

*Shannon Patershuk

Erzhe Zhang

*** The section will reserve a seat for a member of the CIA. These are the CIA candidates.**

**Matthew Emery, FSA, MAAA, CERA**
**Associate Actuary & Manager**
Independence Blue Cross
Philadelphia, PA

**Professional Background**
Matthew is an Associate Actuary & Manager of Independence Blue Cross. He supports the actuarial modeling for all ERM, ORSA, and capital management activities across the enterprise. Other areas of experience include Medicare, pharmacy, and specialty services. All experience has been with Independence Blue Cross, serving internal customers, government regulators, and various business partners.

**Society of Actuaries Experience (Section and committee memberships and participation)**
- Member of the Health and Joint Risk Management Sections
- FSA Module Writer for the Corporate Finance and ERM track (2018-Present)
- FAP Module grader (2017-Present)
- SOA Kaggle Involvement Program award recipient in the Home Credit Default Risk competition (2019)
- Project Oversight Group participant for Economic Copula modeling (2018)

**Other Relevant Volunteer Experience**
NA

**Why are you interested in leading this section?**
I am running for a seat in the Joint Risk Management Section to continue promoting expertise in the risk management arena for section members and the wider actuarial profession. I have experience collaborating with risk management professionals across geographies and areas of specialization, giving me insight into the unique nature of this cross-industry section. Leveraging these experiences, I would like to further advance the education and research in leading risk management practices and techniques for our community.

♦ ♦ ♦ ♦

**Xinliang Stella Lu, ASA, CERA**
**Manager**
**AIG**
**Shanghai, China**

**Professional Background**
I am a career changer into the actuarial field: having been with AIG for 6 years in the Capital Management group, and working on various projects such as international market research, ALM, profit measure model, deal valuation, etc. Prior to coming into the actuarial field, I was a teacher at a New York City public school.

**Society of Actuaries Experience (Section and committee memberships and participation)**
Member of Joint Risk Management Section

**Other Relevant Volunteer Experience**
- Volunteered at local hospital;
- Sunday school teacher and youth worker at a local church; designed and maintained a website and organized various events (including conferences and a concert) for a local church;
- organized various events in the company including annual dinner and various forums;
- helped to establish a Toastmaster Club at my company and served as VP of education in the club.

**Why are you interested in leading this section?**
With my background in education, I would like to strengthen the platform for knowledge/experience sharing among the members; having worked in both US and China, I would also like to use my international experience to help the council to understand the needs of members from both eastern and western world, so that they could be served accordingly, and grow professionally.

Personally, I am a CERA and would like to contribute more to the section as well as learn more from other section leaders.

♦ ♦ ♦ ♦

**Kyle Rooker, FSA, MAAA**
**Senior Manager**
**Deloitte Consulting LLP**
**New York, NY**

**Professional Background**
I am a Senior Manager in Deloitte's Actuarial and Insurance Solutions practice and have more than 13 years of experience working both in the industry and as a consultant. As a consultant, I primarily work with clients on capital and risk initiatives, modeling, process redesign, and technology strategy/architecture. Before joining Deloitte, I worked in ALM, variable annuity hedging as an asset modeling specialist, and in the Enterprise Risk Management group to develop the company's Economic Capital model.

**Society of Actuaries Experience (Section and committee memberships and participation)**
I previously was on the grading committee for the FAP Interim Assessment.

**Other Relevant Volunteer Experience**
Through Deloitte, I am involved in our annual impact day where I have helped aspiring first-generation college students understand how to apply to colleges, where to focus their time, and generally help them understand expectations at college.

**Why are you interested in leading this section?**
I believe risk management is one of the most important activities for an insurer and is key to profitability and improving earnings volatility. While there is a large amount of research and effort put into risk management, I believe my asset-specific knowledge will help improve the type of surveys, industry insights, and risk management development for insurance companies across Life, Health, and P&C.

♦ ♦ ♦ ♦

**Kailan Shang, FSA, ACIA, CFA, PRM**
**Associate Director**
**Aon PathWise Solutions Group**
**Kitchener, ON**

**Professional Background**
Kailan Shang works at Aon PathWise Solutions Group in Toronto, focusing on Variable Annuity modeling. He has over fifteen years' experience on actuarial consulting, risk management, predictive modelling and insurance pricing. He worked at AEGON, AIA, Manulife, and Swin Solutions. He is known for research in the area of risk management, liability driven investment, and quantitative modelling. He has over twenty publications and won several research prizes such as the CAS Emerging Issues Prize in 2011 and the Actuarial Foundation's ERM Research Excellence Award in Memory of Hubert Mueller in 2019.

**Society of Actuaries Experience (Section and committee memberships and participation)**
- SOA Outstanding Volunteer Award Recipient in 2016.
- Member of Joint Risk Management Section.
- Served on the project oversight group of two SOA research projects.
- Authored over twenty publications sponsored by the SOA.
- Delivered presentations at many actuarial and risk management seminars.

**Other Relevant Volunteer Experience**
- Serve on the Subject Matter Expert Quantitative Group of the Professional Risk Managers' International Association (PRIMA) since 2013.
- Developed and presented the CAS Individual Claim Loss Simulator.
- Authored and/or reviewed actuarial and risk management education materials in several projects sponsored by the International Actuarial Association (IAA) and the International Association of Insurance Supervisors (IAIS).
- Volunteered in programs such as Habitat for Humanity and China Rural Kids Care.

**Why are you interested in leading this section?**
With a changing macroeconomic environment, technology advancement, and big data, risk management faces many challenges. I would like to develop educational resources and opportunities to help actuaries embrace the changes and lead the innovation in the risk management field. My experience on risk management, predictive modeling and macroeconomics will help me achieve this goal in a practical way. As a long-term volunteer, I want to continue contributing to the actuarial community and sharing my experience.

◆ ◆ ◆ ◆

**Sandee Schuster, FSA, MAAA**
**Risk Analytics & Insights**
**American Family Insurance**
**Madison, WI**

**Professional Background**

I have served in a variety of roles during my career including enterprise risk management, valuation, reserving, pricing, product development, and consulting.

I began my career at CUNA Mutual Insurance Group where I worked primarily with group life and disability products. I then spent some time as an independent consultant before joining Madison National Life Insurance as Vice President & Chief Actuary. Here I worked with a wide variety of acquired individual life, annuity and health products, as well as group long term disability. I served as appointed actuary at both CUNA Mutual and Madison National.

For the past 5 years, I have been working at American Family Insurance in Enterprise Risk Management & Analytics. In this role, I help leaders across the organization identify, manage, and monitor enterprise risk. I am responsible for designing and preparing the quarterly risk dashboards for the executive leadership team and the Board of Directors. I have experience with many aspects of operational risk including model, cyber, reinsurance, capital and catastrophe risks.

I am leader of an enterprise-wide model governance and validation initiative and have authored a white paper on model validation best practices. I prepared a proposal to establish a centralized model risk management team and build a model validation framework. Implementation of a model governance team, based on this proposal, has just begun.

I initiated the first Own Risk and Solvency Assessment (ORSA) report for the Board of Directors and am currently composing the report for the fifth year. Regulators and consultants have recognized this is a best in class ORSA report.

**Society of Actuaries Experience (Section and committee memberships and participation)**

- I am a member of several SOA sections including Joint Risk Management, Health, Leadership & Development, Modeling, and Predictive Analytics and Futurism.
- I am proud to be an active volunteer for the SOA and have volunteered in the following capacities:
  - Friend of the Joint Risk Management Section Council
  - Member of the Joint Risk Management Section Research Committee
  - Member of the Health Section Research Committee for 7 years
  - Chair of the Health Section Research Committee for 3 years
  - Member of the Health Section Council
- I have been an active volunteer on several research project oversight groups including:
  - Effective ERM Stakeholder Engagement
  - Simulating Health Behavior with Agent-Based Simulation Modeling
  - Validating the PRIDIT Method for Determining Hospital Quality
  - Applying Credibility to Group Long-Term Disability Insurance
  - Group Long Term Disability Benefit Offsets Study
  - Hospice Care Research – Analysis of End-of-Life Costs
  - Evaluating Approaches for Adoption of Medical Technology

**Other Relevant Volunteer Experience**
As a Habitat for Humanity construction volunteer, I helped build homes for two families by volunteering each week, from the first day of construction until the final celebration ceremony. This was hard and rewarding work, and I was able to work directly with the families that would soon be new homeowners.

I was also a Habitat for Humanity deconstruction volunteer where I helped remove salvageable materials from an old army reserve center prior to its demolition. This was even harder work but also very rewarding, as much of the salvaged material was sold through the Habitat ReStore for reuse elsewhere.

**Why are you interested in leading this section?**
I am passionate about risk management, research, model risk governance, and the actuarial profession. The JRMS provides valuable tools and resources for the practicing risk management actuary and I am excited about helping the section continue to provide value in new directions.

The JRMS is unique in its interactions across disciplines and professional organizations. The partnerships between the SOA, CAS, CIA and other organizations is such an important component of the JRMS and is one of the reasons I want to be a leader in this section. I work closely with actuaries from both the SOA and CAS, and the JRMS has strong participation from both the Life and P&C worlds.

I believe that my experience as a life actuary working at a primarily property & casualty company gives me a unique perspective that will provide value for the JRMS Council. Conversely, a committee composed of both life and P&C actuaries is well suited for the world I work in.

As a member of the JRMS research committee, I will bring connectivity between the Council and the research committee. As the SOA continues to move in a new direction for research, it is important that the council be attuned to the research changes underway and the future opportunities these changes bring.

♦ ♦ ♦ ♦

**Vy (Ngoc) Le, FSA, FCIA, CERA, CFA**
**Manager**
**Canada Life**
**London, ON**

**Professional Background**
Vy is an actuary, a risk manager, a lifelong learner with a great passion for risk management, technology and entrepreneurship. She has been working in Canada Life for the past eight years including four years in the Risk area. She is currently working in the Insurance Risk team, where she is exploring the potential applications of machine learning and predictive analysis to review and manage current and emerging risks. Previously, she worked for the Canada Enterprise Risk Management (ERM) team where she was responsible for providing technical assistance for the implementation of the Risk Appetite Framework in the Canadian division.
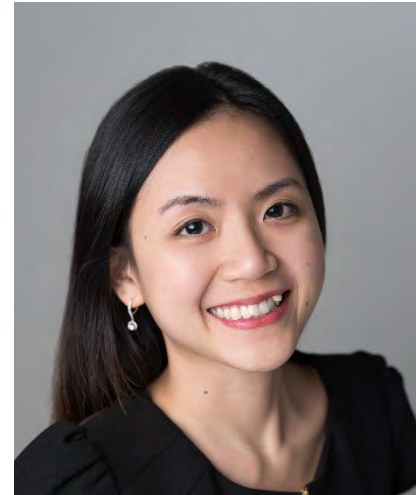
Vy graduated from the University of Waterloo and Wilfrid Laurier University's Double Degree program, where she obtained her Bachelor of Business Administration and Bachelor of Mathematics. She is a Fellow of the Canadian Institute of Actuaries, a Fellow of the Society of Actuaries and a Chartered Enterprise Risk Analyst. She is also a Chartered Financial Analyst holder and has a Master of Business Administration from the IE Business School. She is currently completing a Data Science certificate at Sheridan College and will soon start her Master of Computer and Information Technology at the University of Pennsylvania part-time. She is excited to continue applying what she learns every day from further education to real-world problems at work, particularly with the use of technology in risk management.

**Society of Actuaries Experience (Section and committee memberships and participation)**
Vy has been a member of the Joint Risk Management Section and has volunteered for various education teams and Project Oversight Groups (POG)
- ERM Exam Curriculum Committee
- CFEFD Exam Committee
- MLC Grading Team
- POG Copula Models of Economic Capital for Life Insurance Companies and Unifying Method to Allocating Economic Capital

**Other Relevant Volunteer Experience**
Vy is an active volunteer with the Canadian Institute of Actuaries (CIA) and the Actuarial Foundation of Canada (AFC) since obtaining her fellowship in 2015.
- Board Member of the AFC and Secretary of the Executive Committee
- Member of the AFC Youth Committee
- Member of the CIA Continuing Education Committee and chair of the ERM sub-committee
- Member of the CIA Predictive Modeling Committee
- Past member of the CIA New Members Committee

**Why are you interested in leading this section?**
ERM has always been my area of interest and it would be my pleasure to be a part of the JRMS council. I would like to help strengthen the collaboration with other organizations including the CIA and actively promote the value of the ERM including the application of technology in risk management. The financial/insurance industry is changing quicker than ever and it is exciting to be in an area with lots of uncertainty, as well as great opportunities.

♦ ♦ ♦ ♦

## Nannan Liu, FCAS
### Head of Validation
### AXA XL
### Stamford, CT

**Professional Background**
- Degree in Actuarial Science and minor in Mathematics
- 10+ years of experience post FCAS qualification
- Expertise in risk management including capital model development, model applications, validation, and Solvency II related regulations and compliances
- Experience in reserving, large accounts pricing, and predictive modeling (GLM) in personal auto and homeowners

**Society of Actuaries Experience (Section and committee memberships and participation)**
- Active member of the CAS ERM Symposium Planning Committee
- Past member of the CAS Exam Committee
- Past member of the Asian Regional Committee

**Other Relevant Volunteer Experience**
NA

**Why are you interested in leading this section?**
To actively volunteer and serve in the ERM community, to promote advanced ERM technics and framework, and to broaden the risk management network across other sectors and industries.

♦ ♦ ♦ ♦

## Gerald Adamski, FSA, MAAA
### Director & Actuary
### Prudential Financial
### Newark, NJ

**Professional Background**
Gerald is a life actuary with over 20 years of experience in valuation, model development, process control, reinsurance, and model risk management. He is a Director responsible for managing Valuation Model Risk and Process Control for Prudential Annuities. Prior to joining Prudential, Gerald served over 10 years as a Manager with PwC's Life Actuarial practice, advising large and small insurers and reinsurers in both consulting and auditing roles. He values opportunities to communicate complex actuarial concepts with non-actuaries, and to help peer actuaries better meet the needs of non-actuarial audiences. Before this, Gerald also gained industry experience in Group and Individual Life, DI, and LTC products at MetLife and the Mutual of New York ("MONY"). Gerald graduated from Cornell University with a B.A. in Physics. He is a Fellow of the Society of Actuaries and a member of the American Academy of Actuaries. He lives with his wife, two children, their Boston Terrier, and his daughter's British Shorthair, on the Upper West Side of New York.

**Society of Actuaries Experience (Section and committee memberships and participation)**
- Frequent supervisor for SOA exams in New York and Newark.
- Past presenter/coordinator at multiple Annual Meetings of the SOA.
- Member of 2019 Project Oversight Group for Reinsurance Section's Call for Essays on Catastrophic Risk.

- Past grader for SOA Fellowship Exams (Life & Annuities, ERM tracks)
- Member of SOA sections: Education & Research, Financial Reporting, International, Joint Risk Management, Leadership & Development, Marketing & Distribution, Modeling, Predictive Analytics / Futurism, Product Development, Reinsurance, Retirement, Taxation

**Other Relevant Volunteer Experience**
- Currently serves as member of the Annuity Reserves Working Group for the AAA.
- Has served as Treasurer and Vice-President on his building's co-op board.

**Why are you interested in leading this section?**
This is a time of great change. Our industry is being transformed, our financial climate is being transformed…and our profession will also be transformed.

So often we hear news stories and professional technology reports, warning us of great disruption ahead…of great disruption already underway. Too often, though, those stories miss the upside of the story: that our skills as an actuarial profession give us a unique advantage. But, there is a catch. We must market our skills effectively, and we must continue supplementing those skills for success in that new landscape.

I am running for this seat to draw on my exposure working with actuaries practicing in varied settings, and to influence council actions with a voice that considers a wide range of risks, such as financial management, informational, claim-related, and process-related risks. My experience allows me to consider development needs for our section members from companies large & small, public & private, reinsurer & direct carrier.

We come prepared with unique tools for steering our industry – and other industries – to weather the coming disruptions, including Artificial Intelligence & Machine Learning, FinTech/InsurTech & Cryptocurrency. Our unique toolkit includes applying an Actuarial Control Cycle, and we are well-versed in techniques of Model Validation. These skills and others give us an advantage navigating the new risks that will accompany these disruptions. With some foresight, we can transform these industry threats into opportunities for expanding our professional reach.

♦ ♦ ♦ ♦

**Shannon Patershuk, FSA, FCIA, CERA, MBA**
**Semi-Retired, Principal**
**SEP Actuarial Consulting**
**Edmonton, AB**

**Professional Background**
Experience includes pricing and corporate modeling with a major life insurance company, consulting in group benefits and pensions, expert witness testimony, and communications with benefits committees and boards. Worked with a diverse clientele spanning many industries, including non-profit organizations and associations. Currently serving on a public sector pension board in Alberta.

**Society of Actuaries Experience (Section and committee memberships and participation)**
- Former Chair of the CIA Enterprise Risk Management Applications Committee
- ERM Symposium Planning Committee
- CIA Experience Research Committee
- CIA New Member Advisory Group
- CIA Editorial Panel
- Moderator at CIA Annual Meetings on ERM Topics
- POG Member on ERM Research Projects, including applying ERM to LTC.

**Other Relevant Volunteer Experience**
- Former Rotary Club President
- Former Toastmaster Club President
- Church Choir

**Why are you interested in leading this section?**
As a JRMS Council member, I would like to assist with the mission of JRMS, to further communication, education and research in the area of risk management and establish leading risk management techniques for publication in the *Risk Management Newsletter* .

♦  ♦  ♦  ♦

# Erzhe Zhang, FSA, MAAA
**Principal**
**Oliver Wyman**
**Chicago, IL**

**Professional Background**
Erzhe Zhang is a Principal with the Actuarial Practice of Oliver Wyman based in Chicago, with over 10 years of actuarial experience. He specializes in model validation, financial modeling, and reporting. Prior to joining Oliver Wyman, Erzhe was a senior member of the modeling team at Allstate financial, charged with in-force model development for fixed deferred and indexed annuities.

**Society of Actuaries Experience (Section and committee memberships and participation)**
Presented or contributed at past Annual Meetings and Valuation Actuary Symposiums.

**Other Relevant Volunteer Experience**
NA

**Why are you interested in leading this section?**
I've worked for stakeholders across the Life actuarial space (e.g., direct writers, reinsurers, auditors and regulators) with varying perspectives on risk. Additionally, my interaction with Health, Retirement, Property and Casualty colleagues and those with a non-actuarial perspectives (e.g., management consultants, underwriters) has driven my interest in risk management.

To encourage the development of this knowledge in the SOA, I would like to connect the diverse aspects of the actuarial profession; specifically, by coordinating, planning, and speaking at professional events throughout the year.

There is ongoing change in the actuarial profession. Modeling, product design, and risk management practices continue to be in the forefront and are becoming more sophisticated across the industry. I would welcome the opportunity to help shape solutions with like-minded actuaries.

♦  ♦  ♦  ♦