

## **TECHNOLOGY**

*(Vote for up to three candidates)*

Hugh Lakshman

Ramandeep Nagi

In Kyung Pyo

John Henrik Rogers

**Hugh Lakshman, FSA, MAAA**  
**Director & Actuary Commercial Markets**  
**Independence Blue Cross**  
**Philadelphia, PA**

### **Professional Background**

I have been working as a healthcare actuary for over 15 years. In my current role I oversee a Commercial Pricing organization. I also have prior experience in reserving as well as medical cost and analytics.

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

I have volunteered as a friend of the technology section for the past two years. I have also served as one of the editors of our newsletter.

### **Other Relevant Volunteer Experience**

NA

### **Why are you interested in leading this section?**

I have enjoyed volunteering with this section for the last two years and I would like the opportunity to serve in a more official capacity.



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**Ramandeep Nagi, FSA, FCIA, MAAA**  
**Senior Consultant**  
**Oliver Wyman**  
**Toronto, ON**

**Professional Background**

I am a senior consultant within Oliver Wyman's U.S. Actuarial Life Practice. I have almost a decade of actuarial experience and have advised and provided actuarial services to a wide range of clients, including large insurers, reinsurers, law firms, investment banks, and private equity firms.

My areas of specialization include:

- Streamlining and optimizing actuarial models, architecture, and processes,
- Data warehousing,
- Mergers and acquisitions.

Prior to joining Oliver Wyman, I spent five years at Sun Life Financial in pricing, valuation, and capital management roles.



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

- Friend, Technology section
- Author, CompAct – Technology Section newsletter: *A Smart Way to Accelerate Model Runs Through In-Force Data Compression* (May 2019)
- Presenter, Society of Actuaries webcast: *Overview of Capital Markets and Asset Classes* (April 2019)
- Presenter, Society of Actuaries Valuation Symposium: *Overview of Capital Markets and Asset Classes* (August 2018)
- Presenter, Society of Actuaries Life and Annuity Symposium: *Platform Conversion – Considerations, Principles and Implications* (May 2017)
- Author, Society of Actuaries Financial Wellness Essay Collection: *Save and Grow: Considerations for Future Financial Freedom* (February 2017)

FSA exam question writer grader, Society of Actuary Life pricing and Valuation exams (2014 – present)

**Other Relevant Volunteer Experience**

NA

**Why are you interested in leading this section?**

Throughout my career, I have benefitted tremendously, both personally and professionally through the efforts of other volunteers at the SOA. I believe it is important for actuaries to give back to our profession. Such actions benefit us, our peers and future generations of actuaries.

Volunteering for the Technology section council is appealing to me as I want our profession to be ready to grasp the opportunities brought by ever-changing technological advancements. The actuarial profession has made remarkable progress in helping actuaries understand emerging technologies and their impact. At the same time, significant progress must be made to embrace and understand evolving practices in automation, artificial intelligence, blockchain and other technological advances so that they can be incorporated into everyday actuarial practice.

I believe the skills and knowledge I have gained through my insurance industry experience along with my interest in programming, data and process optimization, will serve me well on the Technology section council and help me guide the council and profession toward continued success.

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**In Kyung Pyo, FSA, MAAA**  
**Corporate Vice President**  
**New York Life Insurance**  
**New York, NY**

**Professional Background**

I started my career in Seoul, Korea as a junior pricing actuary in 2003. I relocated to New York, NY to serve in the international HQ of New York Life in 2008 after finishing MS in Risk Management at Georgia State University. That opportunity led me to spend the next 6 years in international market development, M&A, and business planning, including time with Samsung Life Insurance in Seoul, Korea. I came back to New York in late 2014 and currently lead a team of actuaries responsible for ALM modeling and financial reporting for the UL and VUL line of business.



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

- Exam writer and grader for Quantitative Finance and Investment (2014-2018)
- Member of Project Oversight Group, SOA Actuarial Innovation & Technology Steering Committee (2019)

**Other Relevant Volunteer Experience**  
NA

**Why are you interested in leading this section?**

I want to promote innovation of the insurance business. I participated in a couple of actuarial model transformations and experienced the good and bad. That experience inspired me to pay attention to technological change in the industry. Now, I am ready to engage in tech more proactively, and I want to invite fellow actuaries to the journey of innovation in our profession. This is my motivation to run for council member of the Technology section.

As a council member, I hope to grow the Technology section as the platform for actuaries and other professionals to lead the evolution of the profession, industry, and regulation. First, I will start helping the initiatives of the section, from spreading news to facilitating research and discussion. I would also seek to collaborate with other sections to bring in diverse perspectives on technology-driven potential improvements. I look forward to the opportunity to reach out to you via the Technology section.

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**John Henrik Rogers, ASA, MAAA, MS**  
**Senior Actuary**  
**Clover Health**  
**San Francisco, CA**

**Professional Background**

John is a Senior Actuary at Clover Health since July 2016. John works closely with software engineers and clinicians to build insights into Clover's results through data readiness and analysis. Recent projects include analysis of Clover's Complex Care Management program, an in-home clinical program led by Clover's team of PCPs and developing rich data models from Clover's utilization management software to develop clinical and performance insights. John spent one year working as a hybrid data scientist/actuary on Clover's Business Analytics team. Clover Health is a data driven health insurance startup driving to improve the overall state of healthcare. Clover's Medicare plan is built on technology from the ground-up. Integrating our systems with doctors, clinicians, and nurse practitioners, Clover's data team helps healthcare professionals in the field intervene directly into patients' wellness to help them avoid acute health episodes.



From 2015 – 2016, John was an actuarial advisor for KPMG London. He was the technical lead to provide actuarial modelling and pro forma financial projections for a major international life insurer expanding into Europe and Southeast Asia. He also evaluated software options including liability modelling software, statistical software, and risk reporting platforms for KPMG's economic capital working group.

From 2011 – 2015, John worked for Milliman. In addition to typical actuarial work, John was the lead developer for Milliman's MyRxConsultant.com and developed software supporting the Milliman Atlas of Public Employer Health Plans.

Prior his actuarial career, John served as the Executive Officer of USS Chinook and Patrol Coastal Crew INDIA. John received an honorable discharge from the United States Navy in 2011 and three Navy Achievement Medals. John is a daily user of SQL and Python.

**Education:**

MS, Computer Science, Naval Postgraduate School  
BS, Mathematics, Massachusetts Institute of Technology

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

I spoke at the 2018 Health Meeting for the SOA on innovation.

**Other Relevant Volunteer Experience**

My volunteer experience is focused on providing underrepresented K-12 students with resources and opportunities. Most recently, I was a member of the City Surf Project (<http://citysurfproject.com/about/>). City Surf Project is a non-profit that connects underrepresented youth to the ocean and themselves through surfing. I have also supported the Boys and Girls Club of San Francisco and the Boys and Girls Club of San Diego and occasionally volunteered to tutor with the Casa de Amistad (<https://casadeamistad.org/about/>). Casa de Amistad provides tutoring services for underrepresented youth in San Diego.

**Why are you interested in leading this section?**

Foremost, I have always wanted to give back to the SOA. If elected, I will work hard to give back to the actuarial profession.

This is a good time in my career to give back. Having worked at the nexus of technology and the actuarial profession for eight years, I have vivid experience with the value of technology – in terms of promoting efficiencies, up-leveling the actuarial profession, and providing groundbreaking medical care and insurance products (for life

and health). I will work hard to find ways to make my experiences relevant and impactful for all actuaries, not just members of the technology section.

I also have a strong sense of the risks that technology brings to businesses as well as our society. I will use my knowledge of predictive analytics to promote practices that prevent technology from exacerbating bias and inequity in our society.

Finally, I will work to improve communication between technologists (IT, Data Science, engineers) and pure Actuaries which has really improved over the years, but still shows tremendous opportunity.

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