



Institute of Actuaries of India

Statutory body established under an Act of Parliament

Unit No. F-206, 2nd Floor, F Wing, Tower II, Seawoods Grand Central,
Plot no R-1, Sector 40, Nerul Road, Navi Mumbai - 400706
+91 22 6243 3333 +91 22 6243 3322

4th Seminar on Data Science and Analytics 2nd November (Saturday) Gurugram

Session: Keynote Address
Presented By: Liyaquat Khan



Liyaquat Khan, FIA; FIAI, FIII
Managing Partner
Global Risk Consultants

Liyaquat Khan, a Fellow Member of the Institute and Faculty of Actuaries, UK, Fellow member of the Institute of Actuaries of India and Fellow Member of the Insurance Institute of India has experience on management as well as actuarial and consulting side in different parts of the world over span of about fifty years. Some of these are;

- CEO of two start-up Life Insurance Companies, one in Sultanate of Oman and one in India,
- 'Appointed Actuary' of one General Insurance Company, one Health Insurance Company and one Agriculture Insurance Company for total duration of more than ten years in India.
- 'Appointed Actuary' of two life insurance Companies in Bangladesh for total period of three years.
- Currently holds responsibility of 'Appointed Actuary' of one Life Insurance Company in Nepal.
- Actuary and Financial Advisor of a start-up insurance Company in Mauritius and concurrently worked as Actuary of the National Pension Scheme of the Government of Mauritius.
- Have had middle and senior level responsibilities in India and in the UK of Life Insurance Corporation of India, the last one being Chief (Investment).
- Vice Chairman & Chief Actuary of Watson Wyatt India (now Willis Towers Watson).
- Head - Global Actuarial Function of HSBC Group based out of India.
- Have had responsibility for implementing IFRS 4 for ten general insurers in Nepal and currently engaged in implementation of IFRS 17 for number of Companies in the Gulf.
- Have had responsibility for Motor Pricing of an insurer and actuarial audit under ISA 620 for seven insurers in the KSA in the recent past.
- On Professional side, has been President of Indian Actuarial Profession for total period of six years over span of ten years from y 2000 to y 2012 and has served on different committees and still serves on some, of the International Actuarial Association, the international body of the actuarial professional.

Managing Partner of Global Risk Consultants, Since January, 2015 an Actuarial Consulting Firm based out of Mumbai.



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Session 2: Changing Landscape of the Actuarial Profession - Worldwide

Speaker : Mahidhara Davangere V



Mahidhara Davangere V.
Founder & Managing Director
Pramartha

He is currently the Founder and Managing Director of **Pramartha** - an Actuarial Risk Management and consulting firm Head quartered in Bangalore, India with offices in Malaysia, South Africa, UAE, and US. He focuses on the wider applications of Actuarial Science like Data Science, Analytics Finance and Investment. I have been advising Venture Capitalists and Angel Investors on exit planning using various actuarial risk modelling techniques. Prior to this Mahidhara have over 14 years of experience in Research and financial valuation covering industries like Banking, Insurance and financial sectors across India, Australia South Africa and other emerging African markets. Prior to starting his own firm, Mahidhara worked in Citi Bank, Ocwen financials and Atom Funds Management. Graduated BSc in Physics, Mathematics and Computer Science from Bangalore University and pursued MBA from Christ University. Subsequently I also pursued MSc in Mathematics and Masters in Finance and Control (MFC), later introduced to the field of Actuarial Science which I found very interesting, Qualified Associate Actuary from IFoA in 2013. He is also the Associate Actuary of Institute of Actuaries of India.

Professional Work

International Actuarial Association (IAA), Member of Big Data Working Group, since June 2017 IFoA Finance and Investment Board, International Member (International strategy and Promotion) since 2015 and Chair for their Global Strategy Working Party. Chairman, Working Group on Wider Areas of Actuarial Science, Institute of Actuaries of India. Secretary of Actuarial Consulting Congress of Asia (ACCA) a sub-committee of International Actuarial Association (IAA). Marker for Financial Economics, CT8 and Modelling and Documentation CA2, in Institute of Actuaries of India since 2014. Volunteer Member of Work stream 3 in MAID Working Party, Member of TAS 100 Working Party on behalf of the Finance and Investment Board, IFoA. Speaker at IFoA Asia Conference 2016, Kuala Lumpur, IFoA Asia Conference in 2017, Hong Kong, IFoA Asia conference 2018, Bangkok, South Asian Actuarial Conference, Colombo June 2017.

Other Advisory Roles

Mathematical Advisor in Scientific Review Committee, a National level Committee set up by Department of Science and Technology, Government of India. Regional Co-ordinator for ASEAN Countries and Bangladesh during Indian Science Congress 2014.



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Session 2 : 10/10 - 10 Impactful use cases in Life Insurance
Speaker: R Krishna Kumar



Krishnakumar Ramasubramanian
Executive VP & Chief Customer Officer
Max life Insurance

Krishnakumar is an Engineer and a Management Student from Symbiosis, Pune. After his formative years in Sales working with a FMCG Major, he joined the Life Insurance industry when it was opened up for Private sector play. He has 20 years of rich corporate experience, most of which has been within Life Insurance, straddling diverse roles in Sales, Product Management, Distribution Strategy, Operational Excellence and more recently on Customer Service. Krishna works with Max Life Insurance, the 4th Largest Private Life Insurance Company and is the Chief Customer Officer for Max Life.

Under his leadership, Max Life was a proud recipient of Celent Model Insurer Asia award for best practices in Analytics, NASSCOM's award for Early claim prediction model amongst others. As the Chief Customer Officer, Krishna leads the Customer Centricity Agenda for the Organization across the customer life cycle, through functional teams in Policy Issuance, Persistency Management, Renewals & Retention, Customer & Policy Services, Customer Experience Management.

Session 3: Financial Data Science techniques in Retail Analytics
Speaker: Shailesh Dhuri



Shailesh Dhuri,
Executive Director
Decimal Point Analytics

Shailesh, is the founder of Decimal Point Analytics to transform investment and financial businesses. He is passionate about integrated technology transforming businesses having more than 25 years of experience in Entrepreneurship and Fund Management. Shailesh was Associated with companies such as UTI, Credit Agricole Indosuez, Ceat Financial Services and was also part of a team to start India's first Private sector commercial bank. He also started India's first money market mutual fund. His educational portfolio consists MBA (IIM), PRM, FRM, CFA (India), CWA, B.com. Mumbai (India)

Session 4: Digital Behavior - A Hidden Treasure

Speakers: Ankit Mittal



Ankit Mittal
Vice President - Actuarial & Risk Analytics
Policybazaar.com

Ankit leads the Actuarial, Risk Analytics and Artificial Intelligence functions of Policybazaar.com. His responsibilities include big data analysis, predictive analytics, neural modelling, portfolio monitoring and propensity modelling for life and non-life business of Policybazaar. He closely works with operations and business teams and use new and evolving technologies to infer customer behaviour using proxy data like voice to text and convert those proxies into meaningful parameters to enable a sound statistical model building. He is one of the very few actuarial professionals in India working in non-traditional roles and his role also involves designing innovative and customized insurance products for Policybazaar's partners and customers. Before starting his journey with Policybazaar.com he has established new actuarial functions at various outsourcing and consulting companies. He has over 14 years of experience where he has worked in USA, UK, Middle East and Canada. He has worked with regulators of Saudi Arabia and UAE in designing insurance regulations and streamlining the product approval processes.

He is a member of actuarial bodies of India and UK. He is a regular snooker player and also follows cricket very closely.

Session 4: Application of predictive models in the banking industry

Speakers: Yash Ratanpal



Yash Ratanpal
Acies

Yash is a non-traditional actuary who has served leading Banks, NBFCs, Financial Conglomerates and Corporates across Americas, EMEA & APAC. He has worked extensively in areas such as quantitative risk



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management, predictive modelling, ALM, derivative pricing and financial technology. He has assisted large banks & financial organizations to develop and validate several predictive models for regulatory requirements and internal decision making. He has extensive experience with forward-looking regulations such as CCAR & DFAST, Basel II & III, IFRS 9 and IRRBB. He is one of the founding members of Acies - a technology centric consulting & product development firm based out of Mumbai, Delhi & Singapore. In his previous role, he was part of the quantitative risk advisory practice at Deloitte India. He is an associate member of the Institute of Actuaries of India (IAI), holds a bachelor's degree in Financial Markets and is eligible to be a Chartered Enterprise Risk Actuary (CERA). He is a Committee member of the Wider Fields Group - Risk Management, IFOA and Banking Working Group - International Actuarial Association (IAA).

Session 5: Analytics in health insurance
Speakers: Prashant Rai

Session 6: Actuarial Profession in Industry 4.0 and beyond
Moderated By: Mahidhara Davangere
Panelists : Manoj Kumar Chhatlani, Shailesh Dhuri & Ankit Mittal



Manoj Kumar Chhatlani
Deputy General Manager
IRDAI

Manoj Kumar Chhatlani is a Fellow Actuary from Institute of Actuaries of India and has been working in Insurance industry for last 18 years. He has worked in the areas of pricing, valuation, reinsurance and Inspections. He is currently working as Deputy General Manager in the Regulatory Authority (IRDAI) in Inspection Department, Mumbai. He last worked as Associated Vice President & Head Product Pricing in Reliance Life. He has also received the IDEA award for product innovation in Reliance Life. He is the member of Wider Areas for Actuaries and actively involved in Institute's activities in promoting Actuarial profession within and beyond Actuarial domain.