



## PROGRAMME OUTLINE:

DAY 1 – MONDAY, 1 APRIL 2019	
13:00 – 19:00	Registration Open (Strelitzia Conservatory)
14:00 – 17:00	IAALS Board Meeting (Meeting Suite 1.54)
15:00 – 18:00	PBSS Board Meeting (Meeting Suite 1.55)
18:00 – 19:30	IACA / PBSS / IAALS Welcome Reception (Strelitzia / Jasminium)

## PROGRAMME OUTLINE:

DAY 2 – TUESDAY, 2 APRIL 2019				
07:30 – 18:00	Registration Open (Strelitzia Conservatory)			
08:30 – 08:45	<b>Pensions (PBSS) Colloquium &amp; Seminar Opening Ceremony</b>	<b>Life (IAALS) Opening Ceremony</b>		<b>08:30-09:45 ASTIN Workshop – Pricing</b>
08:45 – 09:45	<b>Pensions (PBSS) Plenary – Keynote Speaker</b> (Emma Sadlier)	<b>Life (IAALS) Session 1</b>		
		<b>08:45-09:15</b> 56 - Future Actuary - Data scientist, coder, business leader, entrepreneur... (Louis Rossouw, South Africa)	<b>09:15-09:45</b> 15 - A Neural Network Extension of the Lee-Carter Model to Multiple Populations (Ronald Richman, South Africa)	
09:45 – 10:15	Refreshment Break			
10:15 – 11:45	<b>Pensions (PBSS) Session 1</b>	<b>Life (IAALS) Session 2</b>	<b>IACA Opening plenary and Diversity seminar</b>	<b>ASTIN Workshop – Pricing</b>
	<b>10:15-10:45</b> 24 - A goals-based investment framework for defined-contribution retirement funds (Shaun Levitan, South Africa)	<b>10:15-11:00</b> 92 - Impaired Lives Insurability: Dawn of a new era (Taurayi Chinowona, South Africa)		
	<b>10:45-11:15</b> 44 - Operationalising Individualised Defined Contribution Investment	<b>11:00 -11:45</b> 102 - Declining mortality improvements - the UK story (Aisling Kennedy, UK)		



IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	Strategies (Brnic van Wyk, Australia) <b>11:15-11:45</b> 80 - NDC Schemes and Heterogeneity in Longevity: Proposals for Redesign (Jennifer Alonso-García, The Netherlands)			
11:45-12:00	Transition Time			
12:00 – 13:30	<b>Pensions (PBSS) Session 2</b> <b>12:00-12:30</b> 62 - Minimum Pension and Longevity Risk: A Solution for Notional Defined Contribution Pension Schemes (Séverine Arnold, Switzerland) <b>12:30-13:00</b> 65 - The way of the corporate pension design from the viewpoint of risk sharing among employees and employers in the longevity society (Yohei Noda, Japan)	<b>Life (IAALS) Session 3</b> <b>12:00-12:45</b> 27 -A Stochastic Investment Model for South African Use (Şule Şahin, UK)	<b>Consulting (IACA) Session 1 and Diversity seminar</b>	<b>ASTIN Workshop – Pricing</b>



IAA  
AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	<b>13:00-13:30</b> 131- Exploring the impact of behavioural scienc on the persistency and profitability of voluntary retirement savings in the retail sector. (Nathea Nicolay)	<b>12:45-13:30</b> 136- Projecting Longevity and Mortality Using Stochastic Models. (Marc Slutzky)				
13:30 – 14:30	Lunch Break (Strelitzia / Jasminium)					
14:30 – 16:00	<b>Pensions (PBSS) Session 3</b> <b>14:30-15:00</b> 105 - Professionalising actuarial advice to Defined Contribution Arrangements (Costa Economou, South Africa) Professionalism 1 Professionalism 2	<b>Life (IAALS) Session 4</b> <b>14:30-15:15</b> 53 - PARS, Machine learning for valuation steering (Alexandre Allegrezza, Switzerland) <b>15:15-16:00</b> 110 - Unleashing the force of Predictive Claims Analytics in Insurance (Shreya Seti, India)	<b>Consulting (IACA) Session 2</b> <b>14:30-16:00</b> 137-United Nations Sustainable Development Goal (Marjorie Ngwenya and Ken Buffin)	ASTIN Workshop – Reserving	IAAHS Committee Meeting	ASTIN Committee Meeting
16:00 – 16:30	Refreshment Break (Strelitzia / Jasminium)					



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

16:30 – 18:00	<b>Pensions (PBSS) Session 4 &amp; Seminar Closing</b>	<b>Life (IAALS) Session 5</b>	<b>Consulting (IACA) Session 3</b>	ASTIN Workshop – Reserving	ASTIN Committee Meeting
	<b>16:30-17:15</b> 130- De-Risking (Abraham Hernández, Portugal)	<b>16:30-17:15</b> 90 - African Economic Basis Survey (Morne de Vos, South Africa)			
	<b>17:15-18:00</b> 34 - Defined Benefit Pension Plan Funding and the Role of Actuaries (Charles Cowling, UK)	<b>17:15-18:00</b> 98 - Practical Issues in Applying IFRS 17 in Developing Countries (Kyle Rudden, Trinidad & Tobago)			
18:00 – 18:15	Transition Time				
18:15 – 19:30	ASTIN / IAAHS Welcome Reception				

## PROGRAMME OUTLINE:

DAY 3 – WEDNESDAY, 3 APRIL 2019						
07:30 – 18:00	Registration Open					
08:30 – 08:45	IAALS / ASTIN Opening Ceremony					
08:45 – 09:45	Joint Plenary Session – Keynote Speaker					
09:45 – 10:15	Refreshment Break (Strelitzia / Jasminium)					
10:15 – 11:45	<b>Life (IAALS) Session 6</b>  <b>10:15-10:45</b> 71 - The Actuary at the Kraal (Zandile Gobe, South Africa)	<b>Pensions (PBSS) Session 4</b>  <b>10:15-10:45</b> 41 - Risk Index (Alexandre Allegrezza, Switzerland) OR 42 - Mortality Study of the Swiss Banking Industry (Alexandre Allegrezza, Switzerland)	<b>Pensions (PBSS) Session 5</b>  <b>10:15-10:45</b> 66 - Measuring Pension Plan Risk from an Economic Capital Perspective (Aniketh Pittea, UK)	<b>Health (IAAHS) Session 1</b>  <b>10:15-11:00</b> 18 - The modern actuary in healthcare – how can we help public healthcare systems under strain? (Tanya Hayward, UK)	<b>Non-Life (ASTIN) Session 1</b>  <b>10:15-10:45</b> 2 - AI in Actuarial Science (Ronald Richman, South Africa)	<b>Non-Life (ASTIN) Session 2</b>  <b>10:15-10:45</b> 28 - From the Chain Ladder to Individual Claims Reserving using Machine Learning techniques (Alessandro Carrato, Germany)



IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	<p><b>10:45-11:15</b>          70 - An Evaluation Of Machine Learning Techniques On South African Accidental Mortality Data (Rendani Mbuyha, South Africa)</p>	<p><b>10:45-11:15</b>          73 - Desirable structure of DC Governance in Japan (Bui Nagashima, Japan)</p>	<p><b>10:45-11:15</b>          74 - Consideration on fairness among generations of "Risk Sharing Corporate Pension" in Japan (Satoshi Fukumoto, Japan)</p>	<p><b>11:00-11:45</b>          115 - Pre-funding of Healthcare Benefits After Retirement (Ibrahim Muhanna, Lebanon)</p>	<p><b>10:45-11:15</b>          20 - Unravelling black box machine learning technique predictions using biplots (Adriaan Rowan, South Africa)</p>	<p><b>10:45-11:15</b>          88 - Big Data Analytics as an opportunity for Fraud Management in the Insurance Sector (John Olukuru, Kenya)</p>
	<p><b>11:15-11:45</b>          57 - The Journey Through the Line (Louis Rossouw, South Africa)</p>	<p><b>11:15-11:45</b></p>	<p><b>11:15-11:45</b>          100 - Good and bad of the Automatic Balancing Mechanism of Japan's Public Pension Plans (Nobuhiro Shimizu, Japan)</p>		<p><b>11:15-12:15</b>  <b>ASTIN AGM</b></p>	<p><b>11:15-11:45</b>  <b>Consulting (IACA) Session 4</b></p>
11:45 – 12:15		<b>PBSS AGM</b>		<b>IAAHS AGM</b>		
12:15 – 13:15	Lunch Break (Strelitzia / Jasminium)					
13:15 – 14:45	<p><b>Life (IAALS) Session 7</b>          Professionalism 1</p>	Social Afternoon / Tour ASTIN / PBSS / IAAHS				



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	Professionalism 2	
	Professionalism 3	
14:45 – 15:15	Refreshment Break (Strelitiza / Jasminium)	
15:15 – 16:45	<b>Life (IAALS) Session 8 &amp; Seminar Closing</b>	
	<b>15:15-16:00</b> 25 - A critical evaluation of the justification of discrimination in risk underwriting in the life insurance industry in South Africa (Andries Francois Marais, South Africa)	
	<b>16:00-16:45</b> 124- Dynamic Risk Assessment (Katie Henry)	
17:30 – 18:00	<b>IAALS AGM</b>	
19:30 – late	Gala Dinner for all sections GOLD Restaurant	



## PROGRAMME OUTLINE:

DAY 4 – THURSDAY, 4 APRIL 2019					
07:30 – 18:00	Registration Open (Strelitzia Conservatory)				
08:30 – 08:45	<b>Non-Life (ASTIN) – Seminar Opening</b>	<b>Life (IAALS) Session 9</b>	<b>Health (IAAHS) Session 2</b>	<b>Pensions (PBSS) Session 6</b>	<b>Pensions (PBSS) Session 7</b>
08:45 – 09:45	<b>Non-Life (ASTIN) – Plenary Session – Keynote Speaker</b> (Arthur Goldstuck)	<b>08:45-09:15</b> 3 - Life reserving portfolio by using mixed-Methods (Balde Alpha Mamoudou, Guinea)	<b>08:45-09:45</b> 29 – Role of the Health Care Actuary – Panel Discussion (Adrian Baskir – UK)	<b>08:45-09:45</b> 11 - Actuaries & Market Conduct: A retrospective and prospective view (Peter Johnstone, South Africa)	<b>08:45-09:15</b> 49 - Investigation of Pension Buy-out Price in a Markovian Setting (Ayse Arik, UK)
		<b>09:15-09:45</b> 39 - Forward transition rates (Mogens Steffensen, Denmark)			<b>09:15-09:45</b> 82 - Solvency Analysis of Deferred Annuities (Khadija Gasimova, UK)
09:45 – 10:15	Refreshment Break (Strelitzia / Jasminium)				



IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

10:15 – 11:45	Non-Life (ASTIN) Session 3	Life (IAALS) Session 10	Life (IAALS) Session 11	Health (IAAHS) Session 3	Pensions (PBSS) Session 8	Pensions (PBSS) Session 9
	<b>10:15-10:45</b> 7 - A Fuzzy Least Squares Estimation of a Hybrid log-Poisson Regression and its Goodness of Fit for Loss Reserves in Insurance (Woundjiague Apollinaire, Kenya)	<b>10:15-10:45</b>	<b>10:15-10:45</b> 50- The Actuary's Duty to the Public Interest( Simon Louw, South Africa)	<b>10:15-11:00</b> 30 – Anti-selection in Health Insurance (Roseanne Harris, SA)	<b>10:15-10:45</b> 47 - Pension, Benefits and Social Security Scenario in Bangladesh (M. Ahsanul Haq, Bangladesh)	<b>10:15-10:45</b> 17 - A new notional defined contribution system for public pension schemes based on risk sharing (Hélène Morsomme, Belgium)
	<b>10:45-11:15</b> 9 - Impact of an aggregation tree over the skewness of the final risk distribution (Eric Dal Moro, Switzerland)	<b>10:45-11:15</b> 109 - Machine Learning for Experience Studies in Life Insurance (Shreya Seti, EY)	<b>10:45-11:15</b> 64- Growing Insurance Challenges Emerging Markets with a focus on Africa(Jean Gerin, South Africa)	<b>11:00-11:45</b> 95 - Impact of improved lifestyle on management of chronic disease - can Type 2 Diabetes Mellitus be reversed? (Sarah Bennett – SA)	<b>10:45-11:15</b> 48 - A new proposal for the secondary pension in Greece (Georgios Symeonidis, Greece)	<b>10:45-11:15</b> 23 - The Importance of Internal Actuarial Governance (Edmond Vigoureux, South Africa)
	<b>11:15-11:45</b> 55 - Consistent Development Patterns (Walther Neuhaus, Portugal)	<b>11:15-11:45</b> 121 - Generalized Binomial Estimator: a bridge between Actuarial Science and Data Science (Romain)	<b>11:15-11:45</b> 108- Insurance companies and their ethics as reflected in their public dealing (Tanya Gupta, India)		<b>11:15-11:45</b> 85 - An Analysis of Solvency and Sustainability of the United States Social Security System (Kenneth)	<b>11:15-11:45</b> 114 - The Modern Actuary and Self-Regulation of the Professions: The US Model (Cecil Bykerk, United States of America)



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

		Meridoux, France)			Buffin, United States of America)	
11:45-12:00	Transition Time					



# SECTION COLLOQUIUM 2019



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD

**ASTIN • IAAHS • IAALS • IACA • PBSS**

12:00 – 13:30	Non-Life (ASTIN) Session 4	Life (IAALS) Session 12	Consulting (IACA) Session 5	Health (IAAHS) Session 4	Pensions (PBSS) Session 10	Pensions (PBSS) Session 11
	<b>12:00-12:30</b> 13 - Predictive analytics of insurance claims using multivariate decision trees (Emiliano Valdez, United States of America)	<b>12:00-12:45</b> 59 - The Value of With-Profits to Consumers (Rosalind Rossouw, UK)		<b>12:00-12:45</b> 135- Aligning incentives: value-based purchasing of primary care (Shivani Ranchod, SA)	<b>12:00-12:30</b> 96 - Pension System in Algeria : a way of reform (Farid Flici, Algeria)	<b>12:00-12:30</b> 72 - Mortality by socio-economic class and its impact on the retirement schemes: How to render the systems fairer? (Anca Jijiie, Switzerland)
	<b>12:30-13:00</b> 21 - Modeling risks with cellular automata (Frank Cuypers, Switzerland)	<b>12:45-13:30</b> 84 - Capital Optimisation for Shareholder Value Generation (Idelia Hoberg, South Africa)		<b>12:45-13:30</b> (Kevin Manning, Ireland)	<b>12:30-13:00</b> 106 - Spanish CDC models, is it the solution to DC and DB problems? (Ignacio Del Barco, Spain)	<b>12:30-13:00</b> 76 - How does a fixed career length affect pensions? An analysis per socioeconomic groups (Carmen Boado Penas, UK)
	<b>13:00-13:30</b> 69 - Estimation of foreseeable and unforeseeable risks in motor insurance (Alfredo Egidio dos Reis, Portugal)				<b>13:00-13:30</b> 38 - Theoretical Replacement Rates And Injured Workers in Italy (Raffaello Marcelloni, Italy)	<b>13:00-13:30</b>
13:30 – 14:30	Lunch Break (Strelitzia / Jasminium)					



IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

14:30 – 16:00	Non-Life (ASTIN) Session 5	Non-Life (ASTIN) Session 6	Pensions (PBSS) Session 12	Pensions (PBSS) Session 13	Health (IAAHS) Session 5	Life (IAALS) afternoon social (tours)
	<b>14:30-15:00</b> 19 - The Use of Big Data and the Role of Actuaries in Inclusive Insurance Markets (Cristina Mano, Brazil)	<b>14:30-15:00</b> 113- One in a million – Operating as an actuary in a unique market(Mukami Njeru, Kenya)	<b>14:30-15:00</b> 31 - Command Economy and Market Economy in Pensions: Designs and Consequences (Krzysztof Ostaszewski, United States of America)	<b>14:30-15:00</b> 51 - Is the pension system relevant to the migration decision? A study of the Brazilian workers moving to Spain or to Portugal (Luís Eduardo Afonso, Brasil)	<b>14:30-15:15</b> 75 - Continuous professional development – Learnings for integrating AI, Data Science and Actuarial (Alex Brownlee, SA)	
	<b>15:00-15:30</b> 52 - A tractable method for unravelling and modelling unobservable or complex dependence drivers (with granular data) (Benjamin Avanzi, Australia)	<b>15:00-15:30</b> 101- Impact assessment of the methodological change on rate of return calculus for Natural Gas downstream in Mexico (Brenda Martinez, Mexico)	<b>15:00-15:30</b> 45 - Actuarial Valuation of a Two-steps mixed Pension System (Pierre Devolder, Belgium)	<b>15:00-15:30</b> 54 - Dynamic pricing of disability risk using credibility theory: application in a life insurance company (Jimmy Paul, Norway)	<b>15:15-16:00</b> 112 - Unconventional areas for application of Actuarial Analytics (Anitya Ajmani, India)	
	<b>15:30-16:00</b>	<b>15:30-16:00</b>	<b>15:30-16:00</b>	<b>15:30-16:00</b>		

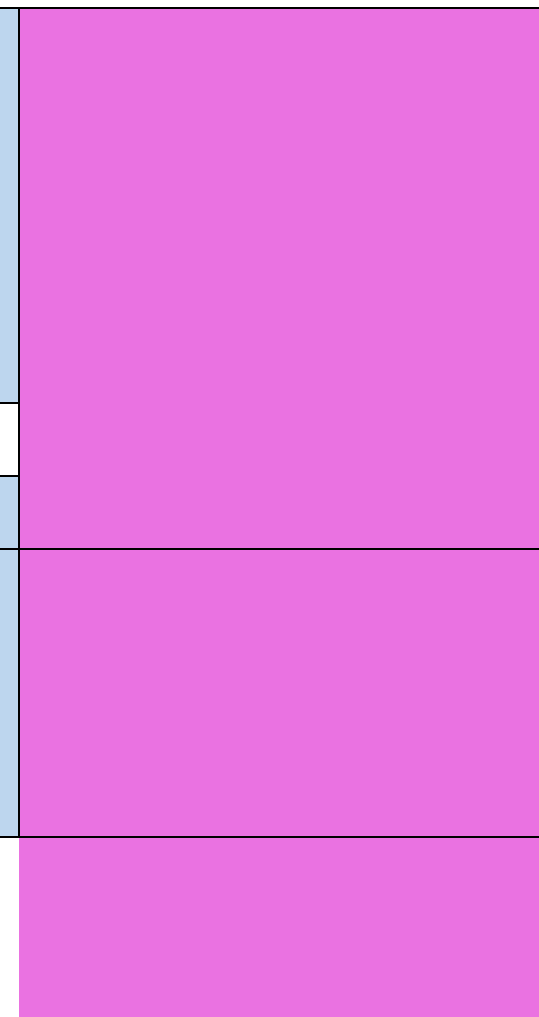


SECTION COLLOQUIUM 2019



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	125- Dynamic and granular loss modeling embracing (Michael Pesta)	118- Future directions of the actuarial profession (Julian Gribble, Switzerland)	117 - Pension systems: the logical sustainability discrete model in a stochastic framework under variable mortality (Massimo Angrisani, Italy)			
16:00 – 16:30	Refreshment Break (Strelitzia / Jasminium)					
16:30 – 18:00	<b>Non-Life (ASTIN) Session 7 &amp; Seminar Closing</b>		<b>Pensions (PBSS) Session 13 &amp; Closing</b>		<b>Health (IAAHS) Session 6</b>	
			<b>16:30-17:15</b> 33 - Mitigating the global pension crisis: a compilation of actuarial innovative ideas (Abraham Hernández, Portugal)		<b>16:30-17:15</b> 35 - Actuarial and Risk Communication: an introduction on how to better interact with your business partners. (Caroline Gregoire, Germany)	





THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

	Professionalism 2	<b>17:15-18:00</b> 32 - Global Pension Solutions for Globetrotters (Carl Hansen, Geurnsey)	<b>17:15-18:00</b> 22 - Becoming “the modern actuary”: the usefulness of humanities and social sciences to develop critical thinking (Christian Walter, France)	
--	-------------------	---	--	--

## PROGRAMME OUTLINE:

DAY 5 – FRIDAY, 5 APRIL 2019				
07:30 – 18:00	Registration Open (Strelitzia Conservatory)			
08:30 – 08:45	<b>Health (IAAHS) Session 6 &amp; Seminar Opening</b>	<b>Non-Life (ASTIN) Session 8</b>	<b>Non-Life (ASTIN) Session 9</b>	<b>ASTIN Workshop – Solvency</b>
08:45 – 09:45	<b>Health (IAAHS) Seminar –Keynote Speaker</b> – Bruce Fordyce	<b>08:45-09:15</b> 10 - A Quasi Risk Factor Dependency Model for Non-Life Insurance Portfolios (Alessandro Ferriero, Switzerland)	<b>08:45-09:15</b> 99 - Aggregation and Risk Measurement for a Portfolio of Exchangeable Bernoulli Risks, assuming Dependence Uncertainty (Etienne Marceau, Canada)	
		<b>09:15-09:45</b> 60 - Fitting and estimating risk dependence using composite models for financial and insurance data (Francesco Acri, Italy)	<b>09:15-09:45</b> 77- Optimal reinsurance of dependent risk (Alexandra De Moura, Portugal)	
09:45 – 10:15	Refreshment Break (Strelitzia / Jasminium)			
10:15 – 11:45	<b>Health (IAAHS) Session 7</b>	<b>Non-Life (ASTIN) Session 10</b>	<b>Consulting (IACA) Session 6</b>	<b>ASTIN Workshop – Solvency</b>
	<b>10:15-11:00</b> 127 - Health reform options for South Africa (Barry Childs, SA)	<b>10:15-10:45</b> 79 - Multivariate claim frequencies modelling in P&C insurance using multiple guarantees and multiple policyholders from the same		





IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD  
**ASTIN • IAAHS • IAALS • IACA • PBSS**

		household (Florian Pechon, Belgium)		
	<b>11:00-11:45</b> Carolyn Clarke	<b>10:45-11:15</b> 87 - On The Necessity And Nature Of Standardising When Using Shrinkage Methods (Stefan W. Wetzl, Germany)		
		<b>11:15-11:45</b> 97 - Cyber Risk - the dark side of the phenomenon (Yuriy Krvavych, United Kingdom)		
11:45-12:00	Transition Time			
12:00 – 13:30	<b>Health (IAAHS) Session 8</b>	<b>Non-Life (ASTIN) Session 11</b>	<b>Consulting (IACA) Session 7</b>	ASTIN Workshop – Solvency
	<b>12:00-13:00</b> Professionalism for 1 hour	<b>12:00-12:30</b> 63 - The Genesis of Storm Clustering: What Impact on Reinsurance Treaties Hours Clause? (Vincent Noel & Marc Bagarry, France)		
	<b>12:30-13:00</b> 68 - Japanese Double Debt Problem (Corina Constantinescu, United Kingdom)			
	<b>13:00-13:30</b> 107 – The actuary in the courts (Ignacio Del Barco, Spain)	<b>13:00-13:30</b> 122- ASTIN WP on Implications of IFRS on Non-Life Insurers, Products and Markets (Walther Neuhaus)		
13:30 – 14:30	Lunch Break (Strelitzia / Jasminium)			



IAA AAI SECTION COLLOQUIUM 2019

THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD

ASTIN • IAAHS • IAALS • IACA • PBSS

14:30 – 16:00	<b>Health (IAAHS) Session 9</b>	<b>Non-Life (ASTIN) Session 12</b>	<b>Non-Life (ASTIN) Session 13</b>	<b>ASTIN Workshop - Reinsurance</b>
	<b>14:30-15:15</b> 133 - Internet of Medical Things (IoMT) & Health Care (Ashleigh Theophanides, SA)	<b>14:30-15:00</b> 104 - A Quantile Mixing Approach for the Combination of Experts' Models (Thierry COHIGNAC & Nabil Kazi-tani, France)	<b>14:30-15:30</b> 58- A Standardized Machine Learning based approach to Conversion Rate Estimation (Lorenzo Invernizzi, Italy)	
	<b>15:15-16:00</b> Simon Henderson	<b>15:00-15:30</b> 119 - Managing Insurance Capital Standards with Limit Systems (Klaus-peter Nischke, Germany)		
		<b>15:30-16:00</b> 111 - Decoding Neural Networks (Anitya Ajmani, India)		
16:00 – 16:30	Refreshment Break (Strelitzia / Jasminium)			
16:30 – 18:00	<b>Health (IAAHS) Session 10 &amp; Closing</b>	<b>Non-Life (ASTIN) Session 13 &amp; Closing</b>	<b>Consulting (IACA) Session 8 &amp; Closing</b>	<b>ASTIN Workshop - Reinsurance</b>
	<b>16:30-17:15</b> 134- Health Insurance across Africa: Not for the faint of heart (Warren Daly)	<b>16:30-17:15</b> 116 - Scenario Testing for Flatrated Fleets during the yearly price adjustment process - a practical example (Michael Klamsner, Germany)	<b>16:30-18:00</b> Tree Actuaries- A breadfruit production. Taking the risks of tree cropping to a financially sound business. (Shubhash Gosine & S. Michael McLaughlin)	
	<b>17:15-18:00</b> 46 - International PMI vs Domestic PMI (Anne Hung, UK)	<b>17:15-18:00</b> 120 - Automated cars and insurance - results of joint Working		



THE MODERN ACTUARY - CHALLENGE • INFLUENCE • LEAD

**ASTIN • IAAHS • IAALS • IACA • PBSS**

		Party of ASTIN & AIDA (Przemysław Klusik, Poland)		