

ASTIN NEWSLETTER

September-December 2022 | ASTIN, the Non-Life Section of the International Actuarial Association

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Dear members,

Welcome to the September-December 2022 edition of ASTIN Newsletter. This is a general update of ASTIN activities over the past four months as well as its future planned activities.

Elections

In January, ASTIN members will receive official notice of the next board elections to take place later in 2023. We have several ASTIN board members retiring, which means we will need several candidates to stand for election to these open positions. Please consider putting your name forward! This is a wonderful opportunity to shape the activities of our section.

ICA 2023

If you've not yet made plans to be in Sydney, Australia for the 2023 International Congress of Actuaries, consider doing so soon! While there, you can expect to see over 500 speakers from more than 50 countries and over 1,000 actuaries in attendance.

Of particular interest to ASTIN members will be these sessions:

- Insurance pricing with deep Bayesian neural networks (Canada)
- Monotonicity and smoothness constraints in neural network non-life pricing models (South Africa)
- Artificial Intelligence (AI) and Machine Learning (ML) as opportunities to improve insurance penetration in Africa: Case of small scale farmers in Kenya and Ghana (Kenya)
- Climate change as a trend and its impacts on biometric assumptions (Germany)

- Embrace Sustainability with Technology (Singapore)
- Mitigating Flood Risk with CAT bonds: A New Orleans Case Study (Portugal)
- Managing uncertainty in climate models (Australia)
- A session called “An Actuary, a Civil Engineer and a Software Developer walked into a pub (bar)” will feature the unique viewpoint of our Australian hosts.

We expect that there will be many other interesting sessions as well. Further, it is a great chance to network with your fellow ASTIN members from around the world.



Masterclasses

The first two episodes of the first Masterclass, “Model Risk Management – The Quest for a Unifying Approach” by Andrew Smith are now available to everyone, but you will need to be an ASTIN member to view the 6 additional episodes. The Masterclass may be found on the [ASTIN website](#).



We have recently finished filming our [second Masterclass](#) titled “The Insurance Risk Landscape: An Eclectic Survey” which will be presented by Michael Powers of Tsinghua University. Members will be notified when it becomes available.

Best paper award

The winner of the 2022 ASTIN Colloquium Best Paper Award will go to Fei Huang and Xi Xin for their paper “Anti-discrimination Insurance Pricing: Regulations, Fairness Criteria, and Models”. ASTIN members can access Colloquium papers, presentations and recordings on the [ASTIN website](#).

Cyber working party

The 5th ASTIN Cyber Workshop meeting was held at Lloyd’s in London on October 31st, 2022. Over 80 participants were gathered from cyber (re)insurers, policymakers, intermediaries, cyber security as well as academic researchers. The agenda touched on many important cyber topics as well as summarizing what has happened in the cyber world since the last edition in 2020. Read more about the speakers and the agenda here <https://cyber-economics.com/>

ASTIN webinars

We held three webinars during the period from September through December.

- "Joint model prediction and individual loss reserving" by Nii-Armah Okine took place on 6th September. A video of that presentation may be found [here](#). Slides will be posted soon.
- On 28th September, we heard about "Geographic ratemaking with spatial embedding" given by Christopher Blier-Wong. This session was recorded and may be found at [this link](#).
- Yumo Dong & Fei Huang spoke about "Multi-State Modeling of Customer Churn" on 1st December. A recording of their presentation may be found [here](#) and the slides may be found [here](#).

We already have a promising slate of webinars for 2023:

- Beginning 23rd January, Rui Zhu and Andreas Tsanakas will present "Selecting Bivariate Copula Models Using Image Recognition".
- We will have a special, 90 minute session on 31st January, when Vasilka Bangeova and Dave Finnis will present on IFRS 17.
- Fei Huang will speak on 21st February, this time on "Welfare Cost of Fair Prediction and Pricing in Insurance Market".
- Beginning on 14th March and continuing every Tuesday for 3 weeks, Michel Dacorogna will present on "Internal Models".

For information about future ASTIN webinars please refer to the ['Our Activities'](#) page on the ASTIN website. If you are interested in proposing a webinar, please contact [Brian Fannin](#).

Forthcoming Events

ASTIN Colloquia

2023 — 28 May - 1 June - Sydney, Australia

ASTIN Colloquium will be held as part of 32nd ICA.



2024 – 22-26 September - Brussels, Belgium

2025 – São Paulo, Brazil

2026 – November 8-13 - Tokyo, Japan

ASTIN Colloquium will be held as part of 33rd ICA.



Resources

Don't forget the following resources which have a lot of information about ASTIN, and its research:

[ASTIN Annual Report](#) | [ASTIN Bulletin](#) | [ASTIN Video](#) | [ASTIN Newsletters](#) | [ASTIN website](#)

Also, please follow us on social media: [LinkedIn](#), [Twitter](#) and [Facebook](#).

Contacts

Key contacts on the ASTIN Board

- [Eric Dal Moro](#) [Chairman]
- [Axel Wolfstein](#) [Secretary]