

ASTIN NEWSLETTER

July-September 2023 | ASTIN, the Non-Life Section of the International Actuarial Association

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Dear members,

Welcome to the July-September 2023 edition of ASTIN Newsletter. This is a general update of ASTIN activities over the past three months as well as its future planned activities.

Elections – New ASTIN Board Officers

On the July meeting of the ASTIN Board, Eric Dal Moro was re-elected as chair. Ronald Richman was elected as Vice Chair, Axel Wolfstein as Treasurer and Brian Fannin will serve as Secretary. We thank our new officers for their commitment.

Among the sixteen ASTIN Board members, two are Delegates appointed by the International Actuarial Association. While Bill Weiland (Canada) will remain on the ASTIN Board as IAA Delegate, Bob Conger (USA) handed over to Tarmo Koll (Estonia) after several years of service on the Board.

AFRIC Recap

The first Actuarial, Finance, Risk and Insurance Congress (AFRIC) was held at Victoria Falls from July 23rd to 28th, 2023. It aimed to bring together academics and practitioners with research interests across all speciality areas of actuarial science, risk management and financial system regulation and provide a low-cost platform for the African talent for accessing and networking with global experts.

The conference covered a range of topics, including climate extremes, longevity risk, pensions, and insurance regulations. In support of a worthy cause, ASTIN provided a budget for travelling expenses for African actuaries joining the conference.

Future Colloquia

The Institute of Actuaries in Belgium (IA|BE) is organizing the very first Joint Colloquium of all IAA Sections (ASTIN, AFIR-ERM, IACA, IAALS, IAAHS and PBSS) which will be held in the centre of Brussels from 22 to 26 September 2024.

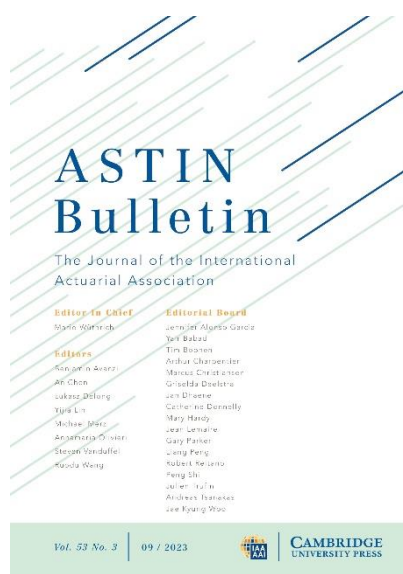
This first "JoCo2024" will gather actuaries, section members as well as members of Actuaire du Monde around a unique theme "Reconnecting Actuaries":



- Reconnecting actuaries after a pandemic period that changed the ways they work and meet.
- Reconnecting actuaries from interconnected areas of interest to the current and future challenges of the profession.
- Reconnecting actuaries around the same objectives: meet, exchange, learn, discover ... and enjoy!

The IA|BE invites all actuaries and section members from all around the world, as well as actuarial students, to discuss the latest research and actuarial challenges arising from new fields of professional and academic activity as well as from traditional work areas. Please visit the JoCo 2024 website to submit your abstract before 15 December 2023. The congress program will be announced by 31 January 2024.

The [JoCo2024 website](#) has been set up to provide detailed information. Please also register to stay up to the date on the event.



ASTIN Bulletin

We are pleased to announce that our publisher, Cambridge University Press, has published our third issue of 2023 ASTIN Bulletin to subscribers.

Amongst others this issue features the following articles:

- D. Hainaut, A. Akbaraly - Risk management with local least squares Monte Carlo
- A. Nii-Armah Okine - Ratemaking in a changing environment
- N.V. Gribkova, J. Su, R. Zitikis - Estimating the VaR-induced Euler allocation rule
- J. Cao, D. Li, V.R. Young, B. Zou - Reinsurance games with variance-premium reinsurers: from tree to chain

How to access ASTIN Bulletin articles via the IAA Website?

Please login to the IAA website and select Publications > ASTIN Bulletin > click "Access the Bulletin" and then click on the ASTIN Bulletin image or hyperlink where you will be redirected to the Cambridge Core website.

Ukraine Sponsorship



ASTIN sponsored the participation of the Ukrainian girls' mathematics team in the 2023 European Girls' Mathematical Olympiad held in Slovenia. The Ukrainian team did an excellent job - they won the top European team and got the world 4th place falling behind China, USA and Australia.

In total, 213 high school-age girls took part in the competition; European countries such as Italy, France, Finland and the Netherlands sent 115 contestants, with the remainder coming from countries as diverse as Mexico, Brazil, Israel and Saudi Arabia. To compete in the international competition, the girls had to win a national

competition in their home country, the organization said.

Over two consecutive days, girls solved three mathematical problems and had 4 1/2 hours to write solutions. Answers were scored and medals were awarded based on the problem's complexity. Ukraine's team took home one gold medal and three silver medals – making them the most successful European team in the competition. Overall there were 26 gold medals awarded and 36 silver medals awarded, according to results posted on the organization's website.

Webinars

We have seen an active third quarter with three webinars now available on actuvie and YouTube.

- Takaike Koike presented “Measuring non-exchangeable tail dependence using tail copulas”.
- Lina Palmberg discussed how to design efficient algorithms in search of optimal premium rules in realistic insurance settings requiring reinforcement learning combined with function approximation in “Premium control with reinforcement learning”.
- In “The use of autoencoders for training neural networks with mixed categorical and numerical features” Łukasz Delong gave insights to modelling categorical features and improving predictive power of neural networks with mixed categorical and numerical features in supervised learning tasks.

Our next webinar will take place on 6 November 2023 and will feature Professor Katrien Antonio presenting her recently published ASTIN Bulletin article "Bridging the gap between pricing and reserving with an occurrence and development model for non-life insurance claims".

[Register Here](#) / [Read the paper here](#)

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

2024 – 22-26 September - Brussels, Belgium

Event website: www.joco2024.org with mailing list subscription



2025 – 18-21 May - São Paulo, Brazil

Hosted by the IAA Sections and the Instituto Brasileiro de Atuária



2026 – November 8-13 - Tokyo, Japan

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

Visit the ICA 2026 website ica2026.org and join the mailing list



Resources

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

[Newsletters](#) | [Annual Report](#) | [ASTIN Bulletin](#) | [ASTIN Masterclasses](#) | [Website](#)

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

Contacts

Key contacts on the ASTIN Board

- [Eric DaL Moro](#) [Chairman]
- [Brian Fannin](#) [Secretary]