



Actuarial Colloquia 2022 is brought to you by



Call for Papers/Presentations

ASTIN Section members (Non-Life insurance), AFIR-ERM Section members (Financial Risks and ERM), the international actuarial community and other academics, experts and professionals who are interested in the fields of actuarial studies in Non-Life insurance, reinsurance, enterprise risk management and financial risks are encouraged to submit a paper or presentation to the **2022 Actuarial Colloquia Orlando**.

The colloquia will be the source of the global actuarial knowledge delivered through a series of plenary sessions, parallel workshops, insightful keynotes and group discussions designed to identify and leverage key trends of actuarial, social and economic research and new technologies to create a strategic advantage for the actuarial profession.

Visit the event website at: actuarialcolloquia2021.org

1. TOPICS:

AFIR-ERM:

1. Climate change and its impact on pricing and underwriting decisions
2. ESG investing in pension funds and insurance reserves
3. Actuarial data science in enterprise risk management (Models and applications of techniques such as artificial intelligence or machine learning in risk management)
4. Cyber and technology risk (Managing exposures, possibilities and pricing of new cyber risk insurance products)
5. Sustainability (Approaches for sustainable value creation and finance)
6. Modelling the economic consequences of pandemics
7. Pandemic and catastrophic risk and its impact on (re)insurance industry
8. Solidarity vs contract in times of pandemic from an insurance point of view (In many countries, even though the insurance contracts would exclude the Business Interruption cover in times of pandemic, the small and medium companies need the help of government / banks / insurance to survive. The question arises as to how much an insurance company has an interest in helping companies so that it will survive and pay future premium)

ASTIN:

1. Loss reserving and capital adequacy
2. Insurance pricing and optimization
3. AI and Machine Learning in insurance
4. Regulatory changes and impacts
5. Emerging Risks
6. Management of pandemic risks
7. Reinsurance, risk transfer, and risk management
8. Natural hazards, disaster, catastrophe risks and pricing
9. Capital management, allocation and pricing
10. Longevity, health, critical illness and employment insurance
11. Extreme values statistics

To assist the two Scientific Committees in planning the program, authors are kindly requested to complete the "Expression of interest submitting a paper Form", accessed here by link to the abstract management page, by the close of business, September 23, 2021.

2. SUBMISSION PROCESS

- All submissions should be in English, French or Spanish;
- Papers should be between 5 and 30 pages in length (excluding tables and appendices);
- Abstracts should be around 200 words long;
- "Expression of interest submitting a paper" Form to be submitted;
- In case of more than one author, please specify all information for all the authors.

3. CALENDAR

Timetable for submission:

- **By September 23, 2021** - Submission of "Expression of Interest submitting a paper form" including abstract and keywords of the Paper through the link provided,
- **By November 4, 2021** - Paper acceptance by Scientific Committee and confirmation sent to author(s)
- **By January 15, 2022** - Speakers must have validated their inscription to the Colloquium
- **By March 21, 2022** - Submission of documents (Paper and PowerPoint presentation) through the online Abstract Management System (info to be provided to chosen speakers)

4. BEST PAPER AWARDS

The Author(s) of an accepted and presented paper will be eligible to be considered for the **Best Paper Award**.

Prizes will be assigned by the Scientific Committee.

To be eligible for **Best Paper Awards**, papers must have been received by March 21, 2021 at the latest.



Call for Papers

Carrying the theme: *“Global Pandemic – Beyond the New Normal”*, this event aims to address issues and changes needed with hindsight from the pandemic. With over 200 million confirmed cases of COVID-19 across the globe and over 4 million deaths that have resulted from the pandemic as of August 2021, insurers and pension funds need to make tough decisions beyond this new normal and be able to deal with all the different challenges facing the industry. The Colloquium will provide insights on the transformation of regulation, social protection including social insurance, capital, investments, risks, products, customers and distribution with over 300 attendees including insurance and pensions executives and senior actuaries from Asia and around the world.

Speakers whose presentations are accepted are invited to present during the International Actuarial Colloquium in April 2022. Presenters are expected to cover their travel and accommodation expenses. Presenters are also expected to pay the conference fee if they intend to attend sessions other than the session they present. Both the IAALS and PBSS Sections will offer bursaries for speakers mainly from actuarially developing countries and who are members of the Section. Please indicate your interest in applying for a bursary during the paper submission process.

Presentations – We Welcome your Participation

We invite professionals and practitioners in the Life Insurance and Pensions fields to speak to the theme and share their knowledge and experience with their fellow actuaries and with the wider audience at this Colloquium. Possible topics for your presentations include (but are not limited to):

- Life insurance
- Health insurance
- Pension, employee benefits and social security
- Reinsurance
- Risk, capital and value
- Innovations (e.g. in terms of products, markets, customers and distribution)
- Data, analytics, model applications and technology
- Regulating insurance/pensions industry (e.g. international accounting and solvency standards development, funding and sharing risks)
- Future of the actuary
- Environmental, climatic changes
- Professionalism, ethics & values

A typical presentation session will be of 30 to 45-minute duration (including Q&A), subject to the final decision by the Scientific Committee.

Timeline

The timeline for submission of the Expression of Interest (and other forms) and of the final presentation is as follows:

- 31 December 2021 (Friday): Submission of Expression of Interest
- 21 January 2022 (Friday): Acceptance of presentation by Scientific Committee
- 1 March 2022 (Tuesday): Submission of final presentations/papers

All accepted full-length papers will be eligible for consideration for *“Best Paper Awards”*, proudly sponsored by the IAALS and PBSS Sections of the IAA. The winners will be selected using criteria that include the command of actuarial concepts, the quality of the analysis instruments used, the clarity and the insightfulness in communication as well as the potential practical application of the topic in the insurance/pensions world. The winner will be announced during the closing ceremony of International Actuarial Colloquium 2022.

To access the full Call for Papers and the submission form, please visit www.actuaries.org/IAA/HongKong2021/ for more details.

CALL FOR PAPERS

BRIDGE TO TOMORROW 'ONE MEETING, TWO EXPERIENCES'



28 MAY – 1 JUNE 2023 • SYDNEY • 2023 INTERNATIONAL CONGRESS OF ACTUARIES



Every four years, the International Congress of Actuaries (ICA) redefines how the actuarial profession sits in the world. ICA2023 will do the same, bringing actuaries together from across the globe – in person and online – to share experiences, insights, and plans. The Congress will be innovative, memorable – and fun. And it will help shape the future of the profession for all who attend, with the event leaving a legacy forever.



ICA2023 will be the first Congress offering delegates and speakers the chance to connect in a hybrid format. For those prepared to research and deliver sessions, it will put their name and work before an expanded global audience – a live audience in Sydney, Australia and a global audience via a state-of-the-art virtual platform.



If you have original work, ideas and insights to share with your actuarial colleagues around the world, this is your chance to be heard and your chance to make a difference.



<https://ica2023.org/>

Session structure

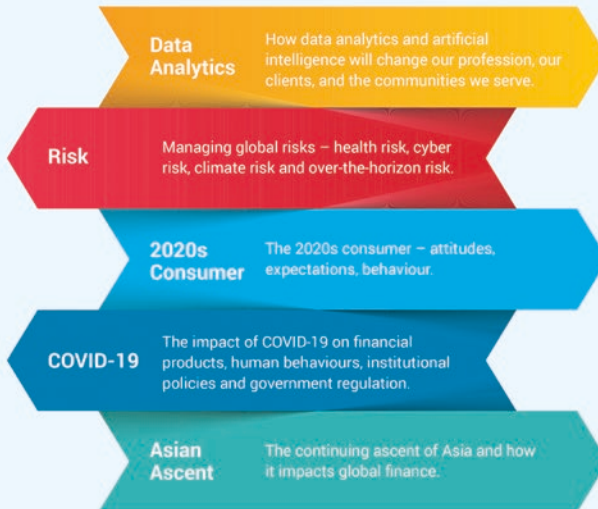
ICA2023 will include plenary sessions broadcast live from the International Convention Centre (ICC) in Sydney covering topics that are relevant to all practising actuaries

The themes for these plenaries are being developed

The International Convention Centre Sydney



Some of the **core themes** will be:



Parallel Sessions

In addition to the plenary sessions, there will be **multiple parallel sessions** each day where you will have the opportunity to present your research.

Each parallel session will last for **105 minutes** across **three presentations** on a related topic.

Each presenter is allocated **15-20 minutes speaking time** followed by an **interactive discussion** lasting **15-20 minutes**.

You can present from **Sydney – or anywhere** in the world.

These parallel sessions will bring together **in-person delegates** with the **virtual audience**.

Your Work (including but not limited to recordings, presentations, PowerPoint slides, abstracts, papers and the like) will be broadly shared.

Please refer to the [Speaker Agreement](#) for distribution.



The result – your thinking will reach an even wider audience of non-actuaries.

<https://ica2023.org/>



Who can contribute?



ICA2023 welcomes presentations from:

Practitioners, academics, working parties and other professionals



Practitioners discussing issues, innovations and findings arising from their actuarial work.

Academics discussing innovative research related to the actuarial profession.

National and international **working parties** focussing on relevant issues.

Professionals working in closely related fields.

Through this Call for Papers, ICA2023 offers you the opportunity to be part of the Congress program and to contribute to a parallel session.

The first step is to submit an abstract of your presentation by **31 March 2022**.

The submission of a paper is not mandatory, although only submitted papers will be considered for a prize.

Review



Three actuaries with appropriate experience and background representing the Actuaries Institute (Australia) and the International Actuarial Association (IAA) will review each submitted abstract. The reviewers will assess each abstract according to the following five criteria:

1. Relevance	How practical is this research to actuarial work?
2. Quality	Does this research meet the required standard for an ICA presentation?
3. Originality	How new or interesting is this research?
4. Value	How valuable is this research to the profession, community, or industry?
5. Future	Are their clear next steps to further develop this research?

Abstracts which do not meet these criteria are unlikely to be accepted.

<https://ica2023.org/>



Possible topics



The following list shows some possible topics for your presentation. However, this is not exhaustive and you may wish to present on another topic, in line with the reviewing criteria.

Actuarial Consulting		Impact of Solvency II
	AI and data analytics	Innovative product design with low interest rates
	Banking	International capital standards
	Environmental consulting	Life expectancy and the future
	Fin-Tech	Optional life cover
	Future regulation	Pandemics and mortality
	Mergers and acquisitions	Pricing and valuation of options and guarantees
	Outsourcing and insourcing	Regulatory and social aspects
Enterprise Risk Management		Non-life insurance
	Emerging risks and new models	Claims reserving
	Global and local risks	Discount rates
	Impact of mega trends on risk	Experience with Solvency II
	Regulatory changes	Impact of data analytics
	Risk appetite and risk strategy	Impact of regulation
	Risk modelling	Pricing methods
	Validation of internal models	Reinsurance developments
Investment and Finance		Pensions and Social Security
	Asset-liability management in uncertain times	Consumer communication
	Consumer behaviour	Demographic effects
	Impact of ESG	Employer accounting for pension liabilities
	Innovative product design	Impact of the low interest environment
	Optimal hedging strategies	Intergenerational fairness
	Valuation of non-listed assets	Innovative benefit design
Health		Protection arrangements
	Demographic trends and consequences	Retirement choices
	Genetics	Professionalism, Ethics and Actuarial Education
	Impact of COVID-19	Actuarial audits
	Innovative product design	Actuaries in new and non-standard fields
	Interaction of public and private sectors	Future actuarial education
	Pricing of different products	International actuarial standards
	Solvency II and capital requirements	Managing conflicts of Interest
	Underwriting	Serving the public interest
Life Insurance		Social value of actuarial work
	Capital management	Continuing professional development
	Customer behaviour	
	Developments in underwriting	



Submission process



The online submission process occurs via this [link](#).
The closing date is **31 March 2022**.

As part of the submission process, you will be required to submit:

- | |
|--|
| the title of your presentation; |
| some key words which reflect the major themes of your research; |
| an abstract of your presentation in no more than 350 words; |
| one or two subject areas relevant to your presentation; |
| a photo of yourself; |
| a short bio of no more than 150 words; |
| your date of birth (if you wish to be considered for the young researcher prize); and |
| your acceptance to the Speaker Agreement . |

It is recognised that during your research and preparation for ICA2023 there may be slight changes to your abstract. If this occurs, please email the [Events Team](#) at the Actuaries Institute Australia so we can determine whether this variation is acceptable.

All abstract submissions, presentations and papers must be in English. Submitted papers must not have been accepted for publication elsewhere prior to submission and must not exceed 40 pages. The presentation of papers, as distinct from presentations without a paper, is strongly encouraged as this will ensure that your work will be available to a larger audience after ICA2023. Abstracts which do not meet these criteria are unlikely to be accepted.



Registration, timeline, prizes and bursaries



Discounted speaker registration

All individual or joint session speakers (presenting in-person or virtually) will be eligible for special discounted registration rates.

We require all presenters to register by **1 September 2022**.

General timeline

Date	Activity
1 September 2021	Call for papers open
31 March 2022	Deadline for submission of abstracts (AEST time, 5pm)
31 May 2022	Communication with authors of acceptance or rejection
1 September 2022	Speaker registration deadline
28 February 2023	Submission of draft papers
31 March 2023	Submission of draft presentations (i.e. where there is no paper)
30 April 2023	Submission of final papers to be considered for a prize
28 May – 1 June 2023	ICA2023 event

Prizes

It is expected that a prize will be awarded for the best paper presented in each of the above subject areas although ICA2023 reserves the right not to award a prize in one or more subject areas.

Papers submitted on or before **30 April 2023** will be considered for a prize. Papers presented after this date and presentations without a paper will not be considered for a prize.

The prize for the best paper in a particular subject area is a cash prize and one of these prize-winning papers will also receive an additional prize as the best overall paper at ICA2023.

In addition, there will be a prize for the best paper from a young researcher (that is, those under age 35 on 1 January 2023).

Bursaries

As with previous Congresses, the IAA will offer a bursary program to individuals from less actuarially developed countries. The bursary program aims to support research and actuarial knowledge for active participants in the Congress and to support leaders of the profession and actuarial educators who are expected to contribute significantly to the development of the profession in their country.

The bursary process will open early in 2022. For further information and to add your name to the bursary applicant contact list, please email [Karla Zuniga](mailto:Karla.Zuniga@iaa.org) at the IAA.

How to submit

Click [here](https://ica2023.org/) to submit now.

<https://ica2023.org/>



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Speaker Agreement



ICA2023 – CALL FOR PAPERS

When you submit your abstract for selection for presentation at the 2023 International Congress of Actuaries (ICA2023), you agree to the following terms and conditions in relation to any presentation including but not limited to recordings, presentations including PowerPoint slides, abstracts, papers and the like) (Work) you seek to present at ICA2023. In the event you are found to have breached any of the terms and conditions, ICA2023 may reject your Work and/or remove your Work from the program.

1. Logistics

- 1.1 You will register and pay to attend ICA2023.
- 1.2 You will arrange your own travel, accommodation, and associated insurances (where applicable).
- 1.3 If presenting virtually, you agree to take reasonable steps to ensure satisfactory technology to do so, in accordance with any ICA2023 requirements which will be provided to you upon acceptance of your Work for presentation at ICA2023. ICA2023 reserves the right at any stage to reject the Work or to remove the Work from the ICA2023 program if you do not meet the ICA2023 technology requirements.
- 1.4 You agree to submit your material by the required deadlines, as announced by ICA2023 upon acceptance of your Work for presentation at ICA2023.

2. Copyright/IP

- 2.1 You warrant that you are the copyright owner of the Work, and you grant ICA2023 an irrevocable, perpetual, non-exclusive licence, to reproduce your Work or any part of it, including a recording of your presentation, for publication during and after ICA2023.
- 2.2 If you are not the copyright owner of the Work, you agree to notify ICA2023 immediately. If you do not notify ICA2023 otherwise, you represent that you are the owner of the copyright and that you have the right to grant the licence referred to in clause 2.1.
- 2.3 In consideration for the licence granted in clause 2.1, ICA2023 agrees that any publication of the Work, including any publication of a recording of your presentation, will acknowledge that you are the author of the Work.
- 2.4 You agree that it is your obligation to advise ICA2023 immediately of any co-authors of your Work. You agree that the acknowledgement of authorship in accordance

with clause 2.4 will be made based on the authorship information supplied by you and that ICA2023 will not be liable if you supply incomplete or inaccurate information.

- 2.5 You agree that the presentation of your Work will be recorded and may be broadcast live during ICA2023 to registered delegates.
- 2.6 You agree that your Work will be available on demand via the virtual platform for a period after ICA2023 to registered delegates.
- 2.7 You agree that your Work will be available after ICA2023 to non-delegates.

3. Promotion

- 3.1 You agree that any professional photos taken during their presentation may be published.
- 3.2 You agree to the publication of your name and session title in all materials published for the promotion of ICA2023.
- 3.3 You acknowledge that members of the media will be registered delegates and may attend your session during ICA2023.

4. Etiquette

- 4.1 You agree that your Work will not contain anything that is defamatory, indecent or which infringes the statutory or common law rights of any third parties. You agree that you have referenced the contribution of any other person who assisted you in creating the Work.
- 4.2 If your Work incorporates third party materials, you agree to supply to ICA2023 written permission from the copyright owner to use such third-party materials in your Work.
- 4.3 You agree that your Work is original, commercially unbiased, accurate and truthful.
- 4.4 You will adhere to the ICA2023 Etiquette policy, as announced by ICA2023.
- 4.5 All disputes arising out of or in relation to these terms and conditions are to be governed by the laws of New South Wales.

If any of these requirements present a problem, please contact ica2023@actuaries.asn.au.



ASTIN Bulletin: The Journal of the International Actuarial Association

NOTES FOR CONTRIBUTORS

AIMS AND SCOPE

ASTIN Bulletin was founded in 1958 as a journal providing an outlet for actuarial studies in non-life insurance. In the late 1980s the journal extended its scope to encompass the study of financial risk in insurance (AFIR). In 2007 the journal was established as the journal of the International Actuarial Association (IAA) and encompasses all of the scientific sections of the IAA.

ASTIN Bulletin publishes papers that are relevant to any branch of actuarial science and insurance mathematics. Papers should be quantitative and scientific in nature, and might draw on theory and methods developed in any branch of the mathematical sciences including actuarial mathematics, statistics, probability, financial mathematics and econometrics.

The journal welcomes papers that present significant and original theoretical developments and papers that present significant and original applications of mathematical, statistical or econometric theory to problems arising in insurance, pensions and finance. We especially welcome papers opening up new areas of interest to the international actuarial profession as well as papers that describe open problems that have arisen in practice.

SUBMISSIONS

Papers for possible publication in *ASTIN Bulletin* should be submitted online at: <http://mc.manuscript-central.com/astin>. Authors are encouraged to provide their data and code during the review process which will allow the handling editor to replicate the results. The preferred code for statistical analysis is either R or Python. For accepted papers data and code should be made available as supplementary material. Please review the *ASTIN Bulletin*'s Transparency and Openness Policy. Submission of a paper is held to imply that it contains original unpublished work and is not being submitted for publication elsewhere. Receipt of the paper will be confirmed and followed by a refereeing process which will be handled by one of the editors. The editors aim to complete the refereeing of a submission in around three months. The role of a referee is to assess the quality of the academic content of the paper. If a paper is sufficiently badly written to an extent that prevents a referee from forming a proper view of the paper's scientific content, then the paper will be returned to the author unrefereed.

TEXT AND MANUSCRIPT PREPARATION REFERENCING

Before a manuscript can be published it must conform to the style of *ASTIN Bulletin*, a summary of the key points of which is listed below. The comprehensive Notes of Contributors document can be obtained from <http://journals.cambridge.org/asb/contributors>.

- The basic elements of the journal's style have been agreed by the Editors and the publisher and should be clear from checking a recent issue of *ASTIN Bulletin*. If variations are felt necessary, this should be discussed with the editor handling the paper.
- Papers should be written in English. It is not the job of the editors, the referees or the publisher to improve the use of English in the paper; it is up to the authors to ensure that the language, spelling and grammar are of a high quality prior to submission.
- Authors intending to submit longer papers (e.g. exceeding 30 pages) are advised to consider splitting their contribution into two or more shorter contributions.
- The first page of each paper should start with the title, the name(s) of the author(s), an abstract and a list of keywords. An institutional affiliation can be placed between the name(s) of the author(s) and the abstract.
- Footnotes should be avoided as far as possible.

AUTHOR AND CONTACT INFORMATION

On the title page, please provide the full name, affiliation, email and postal address of at least one author. Where the family name may be ambiguous (e.g. a double name), please indicate this clearly. For joint authored papers, please indicate the lead corresponding author and provide a contact telephone number.

REFERENCING

References should be arranged alphabetically, and for the same author chronologically. Use a, b, c etc. to separate publications of the same author in the same year. For journal references give author(s), year, title, journal (in italics), volume (in boldface), and pages. For book references give author(s), year, title (in italics), publisher, and city.

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