



# The Actuarial World is Coming to Paris

Individual choices facing societal changes - Can actuarial science bridge the gap between individual and collective choices? In Paris at the Palais Brongniart from May 10-14, 2020, the scientific colloquium organized by the Institut des Actuares and the IAA, will bring together more than a thousand actuaries from around world to explore this multifaceted theme touching upon global and personal challenges. Four days of high-level scientific meetings in the heart of historic Paris.

### Guaranteed Scientific Excellence

One primary scientific committee supported by five scientific committees piloting each of the specialized sections presenting in Paris 2020: AFIR-ERM (finance and risk management), IAALS (life insurance), PBSS (pensions and social security), ASTIN (non-life insurance), IACA (consulting). In total, nearly 50 actuaries will ensure that scientific excellence will be presented. Representing all continents, and from all professional sectors and research, they have defined the expected scientific techniques and analyzed more than 200 article proposals to establish an optimal selection of contributions which will be presented during organized parallel sessions by each section.

### 1 PLACE, 2 EVENTS

The Congress of Actuaries, the main annual meeting of the French actuarial community, will also be held on May 12 at Palais Brongniart on the theme "Between ethics and professionalism: the role of actuaries in the face of societal challenges" (separate registration possible).

**35 NATIONALITIES, 5 SECTIONS, MORE THAN 150 ARTICLES TO BE PRESENTED (AFIR-ERM, PBSS, IAALS, ASTIN, IACA)**

High level scientific exchanges, from all areas of global actuarial research.

### Emerging Risks, Views of Regulators

"Facing **new risks**: what are major **trends** for tomorrow?"

The first plenary session of Paris 2020 will be an opportunity for European politicians to reveal to actuaries their vision of risks, the impact of new risks whether they be environmental, cyber, social or otherwise, or on their actions. Or how, in a context where the preservation of the common good is important, do the political viewpoints consider the risks and the means to maintain necessary balances.

“ Meetings between actuaries of all geographic and professional horizons are of utmost importance. The sharing of best practices, updating scientific knowledge and networking are essential to build and support a strong actuarial community, capable of raising our individual and collective challenges. ”

David DUBOIS,  
President of the Institut des Actuaire

### To Govern is to Plan ... But How?

“Introducing actuarial science in the choices of public policy: combine risk and governance “

A round table that will bring together major institutional investors sharing the concern of maintaining long-term economic and financial balances. The objective? To confront the points of view between heads of international public organizations and academics on the importance of risk management in public governance and the contribution actuarial science in public policy can make..

### The Climate or the Emergency Reinvention

Climate change :  
individual choice and  
common good “

According to Aristotle, “what is common to all is the subject of less care “. Climate specialists, insurers, actuaries will be brought together to discuss how taking general awareness of climate change can lead many players to think about the best ways to limit it the consequences and a multitude of adaptation initiatives. The issue of support of these individual initiatives by industry and by public policies will also be discussed

### With or Without AI?

“Can Artificial Intelligence improve actuarial science?”

Uses of artificial intelligence cover the major activities within the banking and insurance sector (client relations, back office management, personalized pricing, risk management and compliance ...) and significantly change the actuarial profession. In a survey carried out in 2018 from members of the Institut des Actuaire, four actuaries in five considered Artificial Intelligence as a new dimension for the profession, which can only help enrich it and make it evolve. A round table which will aim at discussing this topic.

### But What Are They Playing?

“What can behavioral economics bring to actuaries?”

In this round table, participants will discuss how understanding customer decision processes can help actuaries in their work. To what extent actuaries can, in their models, improve modeling customer behavior, often based on emotions as much as on a rational analysis of the situation. A multidisciplinary approach essential to every actuary's work!

#### TAKE ADVANTAGE OF THE EARLY BIRD RATE

...until February 7, 2020! Find out all pricing details on [www.actuarialcolloquium2020.com](http://www.actuarialcolloquium2020.com)

#### Practical information

##### What you need to know

Where: Palais Brongniart, Paris

When: May 10-14, 2020

Who: actuaries, academics, professionals from the insurance and finance industry, actuarial students ...

Contents: workshops, scientific conferences, 4 round tables, speakers of international stature...

And also: networking, social activities, cocktail welcome, gala dinner...

Info and registration:

[www.actuarialcolloquium2020.com](http://www.actuarialcolloquium2020.com)



# *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 or French. It is not the job of the editors, the referees or the publisher to improve the use of English or French 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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