

4th IMA International Conference on Flood Risk

12-13 September 2019 Swansea University Bay Campus, Wales, UK

CALL FOR PAPERS

As in the recent publication of the IPCC AR5 report, flood risks have been again highlighted as one of the most perceivable indicators when it comes to the understanding of climate change impact. Research on flood risk has never been ampler, yet we still witness the growing causalities of severe flooding around globe on a yearly basis. The stark resemblance of the consequences between the two catastrophic flooding events in both Japan and Indonesia 2018, exposes a bitter reality that there are still knowledge gaps where both the academia and the practitioners need to fill, with no exception for even the developed world.

Continuing from the successful series of previous IMA Conferences on Flood Risk, the IMA is planning its 4th International Conference on this topic in 2019 to bring together engineers, mathematicians and statisticians working in the field. The conference intends to be used as a forum for participants to meet and exchange their views on important technical issues, new and emerging methods and technologies in assessing flood risks in a world that is being altered by the climate change and moving towards an uncertain future. The emphasis will be on new developments in mathematical modelling methods, statistical techniques in assessing flood risks, especially on quantification of flood risks with a nonstationary climate and modelling uncertainty. Methods and application of assimilating new data from cutting-edge new type of observations will be among the topics for discussion.

The conference will be of interest to flood defence practitioners; flood defence managers; statisticians, mathematicians, civil engineers.

Invited Speakers

Prof Michael Bruen, University College Dublin, Ireland
Prof Guoqing Wang, Nanjing Hydraulic Research Institute, China

Registration is now open via <https://my.ima.org.uk/>

If you are an IMA Member or you have previously registered for an IMA conference, then you are already on our database. Please "request a new password" using the email address previously used, to log in.

Call for Papers

We look forward to contributions drawing upon diverse conceptual bases, including reliability theory, statistical analysis, mathematical modelling of flood flows, forecasting systems and assimilation techniques, modelling of flood risk communication and decision making, and of course mathematics. Papers will be organised under four principal themes:

- Climate change, hydro-climatic extremes and non-stationarity
- Computational methods in flood flow modelling and the emerging AI techniques
- Emerging observation technology and data assimilation method for flood modelling
- Mathematical methods for evaluating flood risk perception, communication and human reaction

Contributions that span these while addressing the overall conference theme are most welcome.

Contributed papers will be accepted on the basis on an abstract (300-500 words) which should be submitted via <https://my.ima.org.uk/> by **3 May 2019**. If you are an IMA Member or you have previously registered for an IMA conference, then you are already on our database. Please “request a new password” using the email address previously used, to log in.

Submissions must contain the title, contact author e-mail address, author names, and author affiliations in the covering e-mail. Authors will be notified of acceptance by 14 June 2019.

Final papers (camera-ready) are required by 15 August 2019 for inclusion in the Conference Proceedings. Further information on the format of the final paper will be forwarded once authors have been notified of the acceptance of their abstract.

Conference Fees:

Early Bird Conference Fee - IMA Member £200

Early Bird Conference Fee - Non IMA Member £270

Early Bird Conference Fee – IMA Student £130

Early Bird Conference Fee – Non Member Student £140

The Early Bird fees are available until 15 August 2019. After this date all Conference fees will increase by £20.

There will be a Conference Dinner on the evening of Thursday 12 September. – £40 per person

Website:

For further information about this Conference, please visit our website: <https://ima.org.uk/11325/4th-ima-international-conference-on-flood-risk/>

Organising Committee:

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Prof Jerry D. Zhu, Nanjing University of Information Science & Technology, China

Further Information

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