

8TH INTERNATIONAL CONFERENCE ON FLOOD MANAGEMENT

“LOWERING RISK BY INCREASING RESILIENCE”

The University of Iowa, Iowa City, Iowa, USA

August 17 – 19, 2020



Organized under



Every three years, the International Conference on Flood Management (ICFM) offers a unique opportunity to exchange experiences and ideas on a range of issues that affect flood management, particularly the need to build resilience into future planning. The 8th ICFM Conference is offered for the first time in the U.S. under the patronage of the century-old IIHR-Hydroscience & Engineering, at the University of Iowa. It is expected that ICFM8 will attract about 450 international scientists, researchers, practitioners, educators, and public officials involved in flood control and mitigation with special emphasis on young professionals.

Hosted by:



The ICFM8 program aims at fostering open debates and exchange of the advancements in flood-related sciences and ancillary technologies for better understanding, predicting, and mitigating flood effects in the context of ongoing and future human and natural-driven perturbations. The conference multi-dimensional perspectives are reflected by its 37 sessions (provided on the back of this flyer). More conference details can be found at: icfm2020.org



Following the long-tested traditions of the ICFM series, the main outcomes of ICFM8 will be assembled in customized post-conference publications (e.g., International Association of Hydrological Sciences' Red Book series), special issues prepared for peer-reviewed journals in the flood area (e.g., Journal of Flood Risk Management, International Journal of River Basin Management, and Water Journal). The strategic vision on future directions in flood management will be synthesized in the Conference Declaration.

Stay tuned ... Subscribe for updates and conference details at <https://icfm2020.org/participate/key-dates>

- IIHR is celebrating its centennial. You are cordially invited to IIHR's Gala Birthday Party – updates on details, dates, alumni events, etc. can be found at www.iihr.uiowa.edu/about/celebrating-our-centennial.
- Join us for The Big Splash! – a spectacular celebration of – and on – the Iowa River, set for the weekend of August 14 – 16, 2020. Bring your friends and family to this amazing event!

More information is available at <https://icfm2020.org/program/social-program>

CONFERENCE SESSIONS

The conference submissions includes contributions for the Parallel Sessions (PS) and Special Sessions (SS). The PS and SS will run simultaneously over identical session time slots with the same number of papers per session. The PS contributions are open for all conference participants.

The SS contributions can be either by invitation only or open to all conference participants as specified on the Special Sessions page (link to: <https://icfm2020.org/program/special-sessions>).

I. Science & Technology (S&T) for Flood Risk Management

PS I.a Systems approach for flood management

PS I.b Remote-sensing for flood management

PS I.c Flood infrastructure

PS I.d Citizen science for flood management

SS I.e Mitigating flood risk through innovations in S&T

SS I.f Flood risk in mountainous regions

SS I.g Flood risk reduction under climate change toward sustainable development: Scientific & technological approaches

SS I.h Capacity development for risk-informed decision-making

II. Handling Data and Information for Flood Risk Mitigation

PS II.a Big data and flood management

PS II.b Risk communication

PS II.c Flood decisions support systems

SS II.d Validation database for flood model assessment

III. Flood Disaster Prevention, Mitigation, and Adaptation

PS III.a Climate change and flooding

PS III.b Changing flood risk

PS III.c The intersection between riverine and coastal flood risks

PS III.d Cooperation in the management of large flood events

SS III.e Flood damage assessment datasets

SS III.f Compound events and correlated extremes

SS III.g “No one is surprised by a flood”—WMO long-term ambitions for the operational hydrological community

IV. Flood Preparedness, Response, and Recovery

PS IV.a Flood-proof cities

PS IV.b Low-impact flood measures

PS IV.c Impacts of life loss and damage estimation

PS IV.d Flood adaptive infrastructure

SS IV.e Anticipating accelerated sea level

SS IV.f Floods of 2019 in the United States

SS IV.g Climate preparedness and resilience for climate-impacted hydrology and changing sea levels

SS IV.h Extreme floods in South Asia under changing environment

V. Flood Decision-Making, Policy, and Governance

PS V.a Governance and partnerships

PS V.b Infrastructure and investments

PS V.c Insurance and building level protection

PS V.d Integrated flood risk management

SS V.e Flood risk reduction under climate change toward sustainable development: National & international approaches

SS V.f Lessons learned in the implementation of flood management projects by international organizations

VI: Flood Resilience

PS VI.a Flood-resilient communities

PS VI.b Nature-based solutions for flood management

SS VI.c Flood resilience in practice

SS VI.d Interagency and international resilience efforts

SS VI.e Critical infrastructure resilience to extreme events

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