

HIC 2018: 13th International Conference on Hydroinformatics

University Campus of Palermo
Palermo, Italy, July 1-5, 2018



Key dates :

IMPORTANT DEADLINES

- 31 July 2017** Deadline for special session proposal
- 15 October 2017** Deadline for abstract submission
- 15 NOVEMBER 2018** Notification of acceptance
- 15 February 2018** Deadline for full-paper submission
- 15 February 2018** Deadline for short course proposal
- 1 May 2018** Deadline for submitting final paper version
- 1 May 2018** Early bird registration ends

Conference Themes

A. Technologies for Water Management and Monitoring

- A1. Advanced technologies for water systems monitoring
- A2. Soft and smart sensors applications for water systems
- A3. Real time control technologies and applications
- A4. ICT for water
- A5. Optimization techniques and their application
- A6. Complex network theory and its application
- A7. Internet, Cloud and Mobile application for water
- A8. Social Media Mining and Open Data for water
- A9. Decisions using Probabilistic Forecasts

B. Remote sensing

- B1. Remote sensing applied to hydrology
- B2. Remote sensing for water resource management
- B3. Remote sensing for coastal modelling and water quality
- B4. Airborne and remote data integration and verification
- B5. Data Assimilation Techniques

C. Big-data, knowledge and water data management

- C1. Data-mining techniques
- C2. Knowledge management
- C3. Big-data analytics
- C4. Complex network analysis
- C5. SCADA systems and data validation
- C6. DSS and GIS for water management
- C7: IOT applications for water management

D. Hydraulic and hydrological modeling

- D1. Physically based vs conceptual hydrological models
- D2. Mathematical modelling of water systems
- D3. Hydraulic modelling of complex water bodies
- D4. Water quality modelling
- D5. Model validation, calibration and uncertainty analysis
- D6. Predictive Uncertainty assessment and Ensembles
- D7. Computational intelligence in data driven hybrid modelling
- D8. Modeling of urban water distribution and drainage systems

E. Climate change impacts

- E1. Regional Climate Modeling
- E2. Quantification of Uncertainties
- E3. Impacts on resources, flooding, drought
- E4. Resilience, adaptation and mitigation

F. Environmental and Coastal Hydroinformatics

- F1. Coastal and water quality modelling
- F2. Surface and ground water modeling
- F3. Integrated Water Resources Management

Abstract submission instruction

Authors are invited to submit a 4-page extended abstract which will include introduction, material and methods, results and discussion, conclusions and references. To be accepted for the Conference, the submissions must report work that is novel, well described, and suited to the Conference themes.

Submissions must contain original data and meet international ethical standards. Selection criteria include high technical quality, relevance to the conference themes, and significant information content. Abstracts that are deemed commercial in nature will not be accepted.

To submit your abstract please follow the steps outlined below:

1. Abstracts must be submitted by October 31th, 2017
2. Abstracts must follow the guidelines provided in the abstract template
3. Abstracts will be accepted in English only
4. Abstracts will be reviewed and Authors will be notified of review results by 15 November 2017
5. Please name the file "HIC2018_Your surname" (e.g. HIC2018_Smith.pdf)
6. Do not add page numbers
7. Upload file as pdf document

To download the abstract template and submit your contribution, please visit the HIC2018 conference website at www.hic2018.org

The HIC 2018 Special sessions

- S1. Data Assimilation of spatial information for hydrologic and hydraulic models
- S2. Complex Network Theory and Applications to Water Systems
- S3. Climate change impacts on urban water systems
- S4. Integrated use of the water reservoirs
- S5. IA techniques for Smart Water Systems
- S6. Model predictive control for water management
- S7. Development and application of the next generation of shallow flow models
- S8. New experiences in open-source computing, open data, and virtual laboratories
- S9. Long-term resilience of water systems: input data analysis
- S10. Monitoring network optimization and model choice: information for predictions and value for decisions
- S11. Smart Sensors, Smart networks and Serious Gaming: ICT4WATER and the EU perspective
- S12. Accounting for cross-boundary model interactions and uncertainties in Integrated Water Resources Management
- S13. Simulation of fluvial eco-hydraulic and morphodynamic processes
- S14. Advance in uncertainty estimation of hydro-science in changing environmen
- S15. Flooding forecasting and warning in urban areas
- S16. Time series analysis for climate change detection

<http://www.hic2018.org>

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