



5-7 June 2023, Tlemcen, Algeria

ISFF7 Program Oral presentations

| 1 st Day : 05 June 2023 | |
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| 08 :00- 10 :00 | Welcoming the participants / Registration |
| 09 :00-10 :00 | ISFF7 Opening Session and Welcome note Rector University of Tlemcen, Minister of higher education, Ambassador of Japan, Commissioner for ESTI, AUC |
| | Session 1, Chair : Prof Tetsuya Sumi, Co-Chair : Ziani Cherif Chewki |
| 10 :00 -10 : 15 | University of Tlemcen Presentation Prof. Hamza Cherif Ali , University of Tlemcen |
| 10 : 15 -10 :30 | Contribution du ministère de l'Hydraulique dans la lutte contre les inondations Representant of the Ministry of Hydraulics |
| 10 : 30 -10 :50 | JICA's Activities for Algeria, M. OWADA Kei , JICA, Japan JICA's Approach to Climate Change, Japan Mr Mitomori, Koji , JICA Tokyo |
| 10 :50 -11 :10 | Overview of ISFF Past, Present, and Future Perspectives Dr Sameh Kantoush , Kyoto University, Japan |
| 11 :10 – 11 :30 | Coffee break/ Poster Session |
| | Session 2, Chair : Prof. Chicgoua, Co- Chair : Prof. Megnounif Abdesslam |
| 11 :30 -12 :00 | Les plans de prévention du risque inondation (PPRI) Mr. Benmouffok Hocine, Mme Dalinda Mekideche Agence de gestion intégrée des ressources en eau (AGIRE) et Agence nationale de ressources hydrauliques (AGIRE et ANRH), Algeria |



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| 12 :00- 12 :30 | Contribution of Earth observation satellites in the management of flash floods. Case of In Guezzam August 2018. Mr. Nasreddine Belabid , Algerian space Agency (ASAL) |
| 12 :30 – 13 :00 | Water Resources Management in Oman Challenges and Achievements Eng. Ahmed Al Barwani , Oman Water compagny, Oman |
| 13 :00 – 13 :30 | Discussions/ Poster Presentations |
| 13 :30 – 14 :30 | Lunch Break – Poster Session |
| | Session 3, Chair : Prof. Mihoubi Mustapha Kamel, Co-Chair : Prof. Sihem Benabdellah |
| 14 :30 -14 :50 | The rôle of Water Harvesting projects in mitigating climate change's impact in rural area (Badia) Eng. Abeer Sabha , Ministry of Water Resources, Jordan |
| 14 :50 -15 :10 | Le défi de la gestion des risques de catastrophes dans les nouvelles dimensions prises par les CC Dr. Naima Rabahi ep. Touloum , Délégation nationales des risques Majeurs (ministère de l'Intérieur et des collectivités locales et de l'aménagement du territoire) |
| 15 :10 -15 :30 | Contribution de l'ONA dans la prévention et la lutte contre les risques d'inondations Mme Hadji Karima , Office national de l'assainissement, Algeria |
| 15 :30 -15 :50 | Prevention of major risks : Development of the risk culture within the population Mme Soraya Makhloufi , Direction de la protection civile, Algeria |
| 15 :50 -16 :10 | Stratégie de lutte et programme d'actions contre l'envasement Mr Houglouène Mourad , Agence Nationale des barrages et de transfert, Algeria |
| 16 :10 – 16 :30 | Le système d'alerte de Météo Algérie Mr Hamadache Rafik , Direction de l'exploitation Météorologique/ONM-Dar El Beida, Algeria |
| 16 :30 -17 :30 | Discussions/ Poster Presentations Closing session 1 st Day |





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2nd Day : 06 June 2023

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| Plenary session | |
| 09 :00- 09 : 30 | Japanese Contributions on Dam upgrading including heightening, new bottom outlet and sediment management Prof. Tetsuya Sumi , Kyoto University, Japan |
| ATRST Presentation | |
| Session 1, Chair : Prof. Ahmed Sefelnasr, Co-Chair : Prof. Hamouda Boutaghane | |
| 09 :40- 10 :00 | Quantitative evaluation of suspended solids runoff from large-scale collapsed areas as the source of turbid water, Prof. Mitsuteru Irie , Kyoto University, Japan |
| 10 :00 – 10 :20 | Understanding the Hydrological Impacts of Climate Change : Exploring Rainfall Variability, Trends, and Erosion Dynamics for Effective Sediment Management. Prof. Megnounif Abdesslam , University of Tlemcen, Algeria |
| 10 :20 – 10 – 40 | Soil characterization of the eastern strip of Al Jaww Plain, its possible relationships with the shallow groundwater aquifer, and the flash flood hazards, Al Ain city, UAE Dr. Saber Hussein , UAE University |
| 10- 40 : 11 :00 | Shallow water-table Rise in urban areas of Arid zones Dr. Ali Al-Maktoumi , Sultan Qaboos University, Oman |
| 11 : 00- 11 :30 | Discussions/ Poster Presentations /Coffee Break |
| Session 1, Chair : Prof. Mitsuteru Irie, Co-Chair : Prof. Lefkir Abdelouhab | |
| 11 :30 - 11 : 50 | Impact of climate change on hydrodynamics of lakes in the central rift Valley basin, Ethiopia Prof. Benedict Mutua , Egerton University, Kenya |
| 11 :50 – 12 : 10 | Correction of Regional Climate Model Using Satellite Based Rainfall Data, Case Study: North West of Egypt Prof. Ashraf M. Elmoustafa , Ain Shems University, Egypt |



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| 12 :10 -12 : 30 | Forecasting the Influence of Climate Change on El Hamma Dam Inflow using the SWAT Model for Efficient Dam Management Prof. Jamila Tahrouni , Carthage University, Tunisia |
| 12 :30 – 12 :50 | Modeling the impact of climate change on water resources and crop yield in a Tunisian agricultural watershed using SWAT Manel Mosbahi , Tunisia |
| | Multitemporal UAV surveys of geomorphological changes by severe postfire heavy rain in Japan Dr. Yoshiya Toge , Kyoto University, Japan |
| 12 :50 – 13 :30 | Discussions / Poster Presentations |
| 13 :30 – 14 :30 | Lunch Break – Poster Session |
| | Session 3, Chair : Prof. Ashraf M. Elmoustafa, Co-Chair : Prof. Jamila Tahrouni |
| 14 :30 -14 :50 | Evaluation of flood risk using high-resolution LiDAR data and the HEC-RAS river modeling : A case study of the Mouhoun River in Burkina Faso Dr. Aouissi Jalel , National Agronomic Institute of Tunisia, Tunisia |
| 14 :50 -15 :10 | Multi-model approach for flash flood modelling in data- and water-scarce regions like Jordan Dr. Christina Maus , Koblenz University of Applied Sciences, Koblenz, Germany |
| 15 :10 -15 :30 | Quantifying the predictive uncertainty in hydrological modeling for a Coastal watershed in Tunisia Prof. Sihem Benabdallah , CERTE, Tunisia |
| 15 :30 -15 :50 | Modelling Flood Risk in Arid Urban Environment: The Case of Wadi Ain Sefra (SW of Algeria) Dr. Abdessamed Derdour , Naama, Algeria |
| 15 :50 -16 :10 | Mitigating Flash Flooding in the City : Drain or Harvest ? Prof. Noubactep Chicagoua , University of Göttingen, Germany |
| 16 :10 – 16 :30 | Assessing the status of flood disaster in Ethiopia: challenge in achieving sustainable development goals Prof. Awoke Guadie , Ethiopia |
| 16 :30 -17 :30 | Poster session/ Discussions |





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Closing session 2nd day

3rd Day : 07 June 2023

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| 09 :00 - 09 :30 | <p>Plenary session Hydrological and hydraulic Modelling of Sediment transport in Algeria, Case of Hodna Basin in Algeria Prof. Mahmoud Hasbaia, University of M'sila, Algeria</p> |
| 09 :30- 09 :50 | <p>Session 1, Chair : Dr. Ali Maktoumi, Co-Chair : Dr. Bessedik Madani Machine Learning approaches for Flood Susceptibility Mapping Dr. Mohamed Saber, Kyoto University, Japan</p> |
| | <p>Velocity profiles modeling using information theory and Artificial Neural Networks : A comparison of approaches. Dr. Abdelhadi Ammari, ENSH, Algeria</p> |
| 09 :50 – 10 :10 | <p>Satellite Precipitation Products and Machine Learning Techniques as Solutions for Hydrological Modeling in Ungauged Basins. Dr. Tayeb Boulmaiz, University of Ghardaia, Algeria</p> |
| 10 :10 – 10 – 30 | <p>Coffee Break – Poster Session</p> |
| 10- 30 : 10 :50 | <p>Session 2, Chair : Prof. Sameh Kantoush, Co-Chair : Prof Chérifa Abdelbaki Understanding and quantifying the impact of climate change on extreme precipitation and flooding events over the Nile River basin Hadir Abdelmoneim, Alexandria University, Egypt</p> |
| | <p>Evaluation of recent vegetation phenology changes across the southern Mediterranean region, and potential climatic drivers</p> |





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| | Dr. Behnam Mirgol , Coventry University, Centre for Agroecology, Water and Resilience, United Kingdom |
| | Modelling Current and Future Impacts of Rainfall on Cereals Yield in West Africa: Case Study of Maize and Rice. |
| | Lawrence Blay , PAUWES, Algeria |
| 12 :30 – 13 :30 | General Discussions Closing Session/ Recommendations ISFF 8 Announcement |
| 13 :30 – 18 :00 | Lunch and Touristic Visit |





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2nd Day : 06 June 2023

Special Session / SATREPS Project (Parallel session)

Participants

University of Tlemcen

-Prof. Chérifa Abdelbaki
-Prof. Abdesslam Megnounif

University of Annaba

-Prof. Hamouda Boutaghane

University of Ghardaia

Dr. Tayeb Boulmaiz

University of M'sila

Prof. Mahmoud Hasbaia

AGIRE

Mr Mohamed Deramchi
Mr Benmouffok Hocine

PAUWES

Research Team

University of Kyoto

Prof Sumi Tetsuya
Dr Sameh Kantoush
Dr. Mohammed Saber

ENSTP

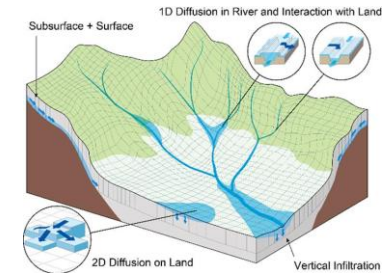
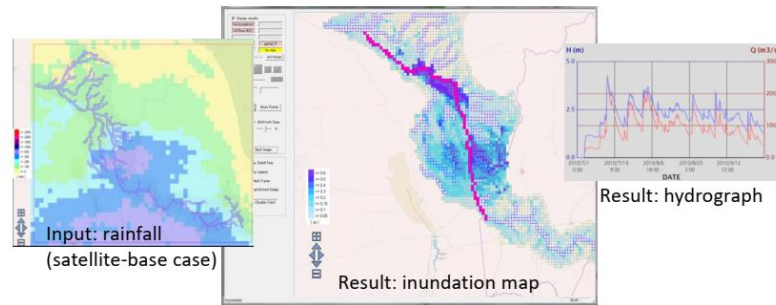
Prof. Abdelouahab Lefkir



Training Course on RRI (Rainfall-Runoff-Inundation) Model

RRI Model

Rainfall-Runoff-Inundation model simulates hydrologic processes such as rainfall-runoff, stream-flow discharge, and inundation over floodplains in an integrated manner. The **RRI model can be used to assess flood risk for various regions with different climate conditions.**



Trainer's Contacts

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International Centre for Water
Hazard and Risk Management
(CHARM)

Participants :

University of Tlemcen, University of Annaba, University of Ghardaia, University of M'sila, AGIRE, ANRH, PAUWES, ENSTP, SOGERHWIT.

