



## “APSU Conference for Dam Safety”

13 November 2021, 17:15 – 19:15 pm

Venue: - **Baghdad Hall** / **Mosul Dam Camp** - Iraq

### **Technical Session 4: Hydrological, geotechnical and sedimentation studies for ensuring dam safety**

**Moderator:** Dr. Mahmoud Saleh Al-Khafaji- Al-Nahrain University

Throughout the world, there has been a growing concern about the water resources, especially water crisis, and a re-examination of the relationship between different water resources and the relationship between water and environment assume a great role. According to the recently surveying reports sponsored by the United Nations, the most important issues and priming concern facing humankind in the next century after population growth is the scarcity of freshwater in localized areas where people can least afford the necessities of like. Accordingly, the need for building dams increased with the development of human societies and their increased use of water and enhanced knowledge of hydraulics. This provokes more attention about dam safety consideration with the accompany to the construction process.

### **Session's Goals:**

This session will focus on some important topics and studies preceding the design of dams that would ensure their operation and maintenance under safe conditions like:



**Session details and Key Speaker is as follow:**

	Title	Author Name	Organization	Participation mood
1	Hydrogeological Modeling of Mosul Dam Foundation	Dr. Zeyad A. Sulaiman	Mosul University	Physical
2	Modeling and Simulation of Large Dams Badush Dam as a Case Study	Dr. Younus Saida Saeedrashed	Duesseldorf University of Applied Sciences Center of Flow Simulation Germany	Online
3	Numerical Simulation of the Grout Curtain Efficiency in Mosul Dam Foundation	Mr. Mohamed Khalid Ibrahim	Mosul dam	Physical
4	Seismic hazard analysis and mapping - ASSESSMENT OF SEISMIC HAZARD IN NORTHERN ALGERIA	Energoprojekt		Online
5	التقنيات الجيوفضائية في ادارة الازمات والكوارث في السدود -سد الموصل انموذجاً Geospatial techniques in crisis and disaster management in dams - Mosul Dam as a case study.	Dr. Zaid Farhoud Makki - Scientific and Technological Advisor at the National Security Advisory	Al-Nahrain Center for Strategic Studies	Physical

