The 2nd International Conference on Integrated Natural Disaster Management (ICINDM-2022) at Jordan July (20-21), 2022.

CONFERENCE AGENDA

DAY 1: WENDSDAY 20 JULY 2022

08:30 – 09:30	REGISTRATION

OPENING SESSION

09:30 – 10:00	**National Anthem:** **Holy Quran** **Welcome Remarks:** *Moderated by the Chairman of the conference - Prof. Moayyad Shawaqfah, AABU* *Al Al-Bayt University President - Professor Hani Al Dmour, AABU* - Disaster and Crises Management, Modeling and Simulation Center- *Prof. Moayyad Shawaqfah, AABU* *Honoring the conference guests* *Honoring the work team*

10:00 – 10:30	COFFEE BREAK – 1

10:30 –12:45	SESSION – I Head of Session: *Prof. Basam Al Mahasneh*

10:30-10:45	• *Food Security:Challenges and Opportunities* / *Prof. Mohmmad Duwayri*
10:45-11:00	• Traffic congestion -may be a thing of the past / *Prof. Mohammad Hamed*
11:00 – 11:15	• Stochastic modeling of Covid-19/ Prof. Loredo-Osti
11:15 – 11:30	• Water Security and Challenges in Jordan / Dr. Jihad Al Mahamid
11:30 – 11:45	• epidemiologist roles in disasters: lessons learned from COVID-19 Pandemic/ Dr Mohannad Al Nsour
11:45 – 12:00	• Impact of Climate Change on Water Resources in Jordan / *Prof. Fayez Abdullah*
12:00 – 12:15	• Floods and Dams Break Risk Management/ *Prof. Radwan Al weshah*
12:15 – 12:35	• The Dead Sea Growing Subsidence Hazards. Ignoring the problems is not a solution./ Prof. Najib Abou Karaki
12:35 - 12:50	• The Role of Renewable Energy in Mitigation of the Crisis / *Dr. Omar Al-Zoubi, AABU*

12:50 – 13:15	COFFEE BREAK – 2

13:15 –15:00	SESSION – II Head of Session: *Dr. Omar Al-Zoubi, AABU*
13:15 – 13:30	• Health Risk of Air Pollution from Cement Plants/ *Prof. kamel* Al-Zboon
13:30 – 13:45	• Chemical Safety and Security Management/ Prof. Mansour Almatarneh
13:45 – 14:00	• Towards building a National Disaster Management Information System in Jordan - means and Objectives/ Dr. Ali Nouh, AABU
14:00 – 14:15	• The Most well-known Climate-Related Natural Disasters that Affected The Levant, Including Jordan/ Eng. *Ahmad Alarbeed*
14:15 – 14:30	• Flood Risk GIS Mapping – Mafraq City dynamic model for travel time flow accumulation – "Isochrones" / Eng. Saleh Al-Quraan
14:30 – 14:45	• Nuclear Disaster for the future of humankind / Prof. Iskender, suleyman demirel university (online)
14:45- 15:00	• Environmental Concentrations of POPs (PCDDs/F,s PCBs, PAHs, OCPs) and climate change/ Dr. Mohanad Masad

15:00 – 16:00	LUNCH

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09:00 –11:00	SESSION – III Head of Session: Dr. Rami Shawabkah
09:00 – 09:10	• Emergency Architecture Characteristics that Promote Post-Disasters` Design Efficiency/ Dr. Safa Al-Husban
09:10 – 09:20	• Implementing a health program following disasters and crises: Activating the role of educational institutions through integration courses/ Dr. Shereen Hamadneh, AABU
09:20 – 09:30	• Jordanian Nurses' Perceived Disaster Preparedness: Factors Influencing Successful Planning/ Mohammad Abu Hasheesh, Isra University
09:30 – 09:40	• The Information Ecologies and Chronic Illness Management of Syrian Refugees in Jordan/ Darius Bittle-Dockery, USA
09:40 – 09:50	• Climate Change and the Impact of Waste Water Management In Palestine/ Inayat Mizyed
09:50 – 10:00	• Impact of Climate Change on Flash Flood: *Case Study* (Wadi Zarqa Ma'in) / *Eng. Yazan Ababneh, YU*
10:00 - 10:10	• The Impact of the Syrian Refugee Influx on Poverty, Inequality and Economic Growth in Jordan / Dr. Mohammad Al-Hadab
10:10 - 10:20	• Risk management in informal settlements and its impact on surrounding urban areas in Jordan: the case study of Ghwariyah neighborhood/ Umamah Mahmoud and Moaed Shawaqfeh
10:20-10:30	Q&A

10:30 – 11:00	COFFEE BREAK – 1

11:00 –12:40	SESSION – IV Head of Session: *Najah Al-Shanableh*
11:00 – 11:10	• The Coronavirus Crisis and High-Performance Technology/ *Haya AL-Hadhrami,*
11:10 – 11:20	• Survey Of Data Mining Techniques For Disaster Information Management /*Dr. Mazen Alzyoud.*
11:20 – 11:30	• Review of the Impact of Structured Data Analytics in Natural Disaster Response and Handling-Twitter Message Analysis/ *Aman Khader*
11:30 – 11:40	• Estimate Landslides sustainability using Remote Sensing Data and techniques (Irbid -Jarash - Amman Road)/ Dr. Majed Ibrahim
11:40 – 11:50	• The impact of Pandemic on the spread of phishing on the internet/ *Kholud Shawaqfeh*
11:50 – 12:00	• The critical role of networking in disaster management/ *Safa'a Al-Husban*
12:00 – 12:10	• A Comprehensive Survey Of The Utilization Of DGITAL Tools In Facing The COVID-19 Pandemic In Jordan/ *Haneen Alzoubi*
12:10 - 12:20	• Remote sensing image-based analysis of the urban heat island effect in Irbid area / Emad AL-Rjoub
12:20 - 12:30	• Geographical modeling to identify places at risk of flash flood in the Walla Basin/ Eng. Ala Alomoush
12:30 - 12:40	Q&A

12:40 – 13:10	COFFEE BREAK – 2

	SESSION – V Head of Session: *Dr. Mohammad AlShr'ah*
13:10 – 13:20	• Early Warning Systems for Disaster prediction by HPC/ *Taghreed Al-Dakak*
13:20 – 13:30	• A Review of the Role of Networks in COVID-19/ *Areen Al-Msaeed*
13:30 – 13:40	• A survey on edge computing networks stability based on services load/ *Asalla Al-Sheyab*
13:40 – 13:50	• Dealing with natural disasters using the extraction of collected information by Artificial Intelligence (AI)

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	Techniques/ *Mohammad Howari*
14:00 - 14:10	• Fire Risk Map Using GIS Techniques and AHP Method in Burqush Forests (Jordan) / Zaid Al-Rousan
14:10 - 15:00	Conclusions and Recommendations

National Anthem:

15:00– 16:00	LUNCH