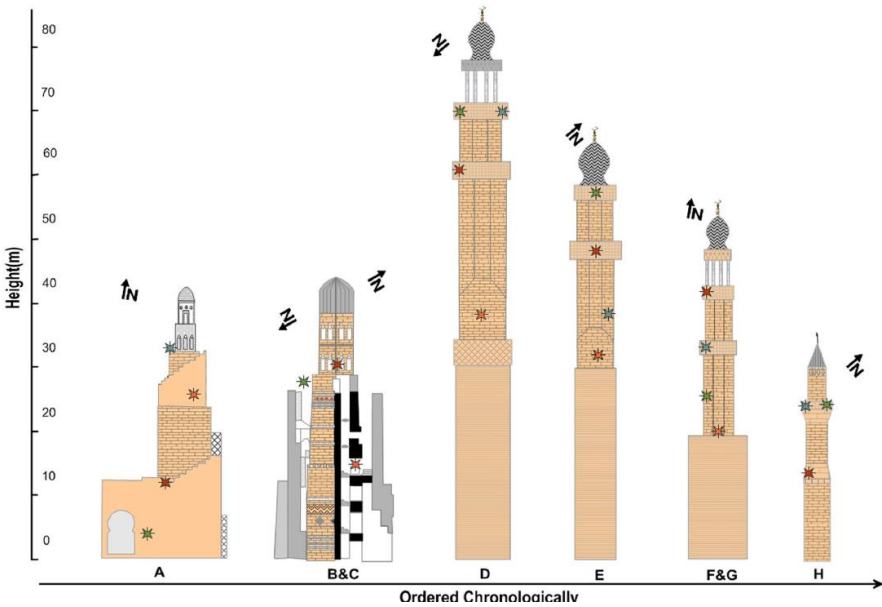


IPRED 13<sup>th</sup> Annual Meeting and International Conference in 2024  
**UNESCO Session on Heritage and Disaster Risk Reduction**  
 (NRIAG, 15:45 – 17:15, 19 November 2024)



Location of sensors (as stars) in various minarets in the paper Seismic vulnerability assessment of historical minarets in Cairo  
 © Mariam A. Sallam<sup>1</sup>, Hany M. Hassan, Mohamed A. Sayed, Hesham E. Abdel Hafiez, Hesham Shaker Zahra and Mohamed Salem

# Agenda

Introduction by Dr. Akatsuki Takahashi on **UNESCO/MoTA University Heritage Forum (UHF) with Historic Cairo as Case Study**

Presentation by Dr Yassar ElShayeb on **Disaster Risk Reduction (DRR) for Historical Building: Risk Assessment and Cases from Egypt**

Presentation by Prof Mohamed Nabil ElGabry on **Inspector: Harnessing Technology to Monitor and Safeguard Heritage Site Vulnerabilities**

Presentation by Prof Gad El-Qady on **Aswan Declaration on Sustainable Conservation of UNESCO and Other Heritage Sites through Proactive Geosciences**

Presentation by Dr Amira Sedik on **Capacity Building for Heritage and Disaster Risk Reduction (DRR)**



# Speakers



Yasser Elshayeb is a Professor of Rock Engineering Applications to Heritage and Archaeology. He has spent many years of his professional career working at the intersection of technology and cultural heritage at the Cairo University, the Library of Alexandria and at the American University in Cairo. Professor Elshayeb graduated from Cairo University in 1990 with a degree in Mining Engineering and earned his PhD from the "Nancy School of Mines, France" in 1999. His dissertation titled "The Contribution of Fuzzy Logic to Geotechnical Risk Assessment of Ancient Tombs at the Valley of the Kings in Egypt," laid the foundation for his continued involvement in heritage preservation and documentation. In addition to serving as the Egyptian National Coordinator of EU Programs on Higher Education (TEMPUS/ERASMUS MUNDUS/ERASMUS+), Professor Elshayeb has remained actively engaged in the preservation and digital documentation of cultural and natural heritage. His roles have included part-time engagement at the Center of Engineering for Archaeology and Environment at Cairo University, Director of the Egyptian Center for Documentation of Cultural and Natural Heritage (2012-2014), Deputy Director of the Scan Pyramid Project (2015-2019), and Consultant for Site Management Plans and GIS Application in Cultural Heritage Buildings (2023-2024). Professor Elshayeb has authored several publications on cultural heritage preservation through engineering analysis and digital documentation. He is also an active member of the International Consortium on Landslides, focusing on disaster risk reduction related to landslides affecting cultural heritage sites.



With 20 years of experience in environmental monitoring, Mohamed Elgabry has played a key role in establishing seismic networks in Egypt and Sudan and commissioning CTBTO International Data Centers. Dr Elgabry initiated the African Disaster Mitigation Research Center and the African Seismological Commission and led the establishment of the African Seismological Center. His expertise in disaster mitigation and multi-hazard approaches has significantly enhanced community resilience across Africa.



Gad El-Qady is Prof. of Applied Geophysics, President, the Arab Association of Astronomy and Space Science, African Disaster Mitigation Research Centre (ADMIR), NRIAG, and President of Egypt National Committee of IUGG. He was the former President of NRIAG. El-Qady has been working in the application of geophysical techniques for environmental, archaeological, geotechnical, groundwater, and geothermal investigations. He was the science and culture attaché of Egypt in Japan from 2010 to 2013, and the coordinator of the international relations of E-JUST in 2014. Gad El-Qady holds a PhD in Engineering Geophysics from Kyushu University, Japan.



Amira Sedik holds a Bachelor of Archaeology, a high diploma in History of Art, and Greco-Roman from the Faculty of Archaeology, Cairo University, and a professional diploma in translation from the University of Lyon Lumiere II, a specialized diploma in politics and civilization from the University of Sorbonne Paris IV. She has been a project manager at Bibliotheca Alexandrina. In 2014, Amira joined the EHRF and attended TOT program requirements for First Aid to cultural heritage in the event of disaster or conflict provided by ICCROM and UNESCO and became a first aider and trainer for cultural heritage. She has delivered numerous training courses in First Aid and Risk Preparedness and DRM for cultural Heritage Properties.



Akatsuki Takahashi holds a PhD in Cultural Heritage Risk Management from the Disaster Mitigation for Urban Cultural Heritage at Ritsumeikan University, Kyoto, and BA in international relations at the Tsuda University in Tokyo. Akatsuki is currently the Programme Specialist for Culture at the UNESCO Regional Office in Cairo. Previously, she worked as a Regional Culture Advisor for the Pacific at the UNESCO Pacific Office in Samoa, the UNESCO Venice Office, and the Executive Office of the Sector for Culture at UNESCO Paris.