



**PRE- RECORDED
IN CONJUNCTION WITH
WORLD ENGINEERING DAY CELEBRATION
FROM 4TH - 9TH MARCH 2024**

*ORGANISED BY :
ENVIRONMENTAL ENGINEERING TECHNICAL DIVISION (ENETD), IEM*



Supported By

**BEM APPROVED CPD HOURS: 2
REF. NO.: IEM23/HQ/150/T (W)**

**REGISTRATION FEE:
IEM Students: FOC
IEM Members: RM15
Non-IEM Members: RM70**

**WEBINAR TALK ON
“FLOOD RISK MANAGEMENT AND
EARLY WARNING SYSTEMS”**



**6 MARCH 2024, WED
11.00 AM - 1.00 PM
ONLINE PLATFORM**

Presented by:
Mr. Niksa Orlic

SYNOPSIS

Global flood risk is increasing due to factors such as climate change and population growth, making floods a major threat to communities and infrastructure worldwide. Floods can cause significant damage to property, disrupt transportation and communication networks, and result in loss of life and economic productivity. To combat disaster risk reduction of various disasters, including floods, the World Meteorological Organization has launched the Early Warnings for All initiative.

This technical talk will cover various aspects of flood risk management, including: flood risk assessment based on continuous hydrological monitoring; selection of suitable hydrological instruments for continuous monitoring; proper monitoring site selection; equipment installation and maintenance; implementation of early warning systems; and real-time data transfer, management, and data distribution. The talk will also include real-world case studies of successful projects implemented in multiple countries, providing participants with valuable insights into flood risk management practices. Additionally, the talk will discuss the importance of early warning systems in mitigating the impacts of floods. The talk is expected to increase participants' awareness of flood management and enable them to make informed decisions in this field.

ABOUT SPEAKER

Mr. Niksa Orlic is a co-founder of Geolux, a Croatia-based company that specializes in the development of hydrological instrumentation with the emphasis on contactless water level and discharge monitoring. He holds a Masters degree in engineering and has 16 years of experience in the environmental monitoring industry. During the past 5 years, Mr. Orlic has been involved in the development and commissioning of several real-time flood monitoring projects across the globe, where he has contributed his technical know-how and has gained a reputation as a reliable expert in the field.