



Engineering innovation for a more resilient world



The President of

The Institution of Engineers Mauritius (IEM)

&

The DEAN of the Faculty of Engineering, UOM

have the pleasure to invite you to the celebrations of the

World Engineering Day 2023

On the theme of

Engineering innovation for a more resilient world

In the presence of **Hon. Kavydass Ramano**
Minister of Environment, Solid Waste Management and Climate Change

on Saturday 04 March 2023 as from 0900hrs
at the Lecture Theatre, The Core Building, UOM Campus, Ebene

Dress Code: Casual Smart

*R.S.V.P by 02 March 2023 (Regrets & Confirmation)
57943065 or iem@intnet.mu*



WORLD ENGINEERING DAY

04 March 2023

Organized by IEM and UoM
Lecture Theatre, The Core Building
UoM Campus
Ebene

Engineering innovation for a more resilient world

[Click here to access Zoom Link](#)

Workshop Programme

- 09:00 - 09:30 Registration
- 09:30 - 09:35 Welcome Address: MC
- 09:35 - 09:45 Welcome Address, Assoc. Prof(Dr) BYR Surnam, Dean FoE
- 09:45 - 09:55 Message on the occasion of WED 23 by Mr R. H Prayag GOSK., PDSM, President IEM
- 09:55 - 10:05 Welcome Address by Prof. S Sobhee, Vice Chancellor UoM.
- 10:05 - 10:15 Keynote Speech by Hon. Kavydass Ramano, Minister of Environment, Solid Waste Management and Climate Change, Republic of Mauritius
- 10:15 - 10:25 Launching of the UoM Policy Booklet on '**Climate Resilient Infrastructure – Adapting to the Fast Changing Climate**'.
- 10:25 - 10:30 Signing Ceremony of MoU between IEM and LUX Consult
- 10:30 - 10:45 Tea/Networking Break
- 10:45 - 11:30 Webinar and Presentation**
- 10:45 - 11:00 Riya Rahiman (Ms), CDRI, India – 'Infrastructure for Resilient Island States (IRIS)
- 11:00 - 11:15 Tomoya Shibayama (Prof), WASEDA University, Japan- Coastal Disaster Surveys and Assessment for Risk Mitigation- Japanese Experiences and their applications to Mauritius
- 11:15 - 11:30 Sanajaya Bhatia (Mr), UNDRR- UNDRR Disaster Resilience Scorecard for Cities
- 11:30 Vote of Thanks

SPEAKERS FOR THE WORLD ENGINEERING DAY EVENT – 4 MARCH 2023

Riya Rahiman, Lead Specialist, Infrastructure for Resilient Island States (IRIS)

Riya Rahiman is Lead Specialist - Infrastructure for Resilient Island States (IRIS) at CDRI. With more than a decade experience focused on urban and infrastructure resilience, climate action, environment assessment and urban planning. Riya has contributed to the implementation of key national and international initiatives towards sustainable and resilient development in over 100+ cities in South, Southeast Asia and Small Island Developing States (SIDS). Her expertise focuses on research and policy analyses to inform governance and support governments through capacity strengthening and technical advisory to foster sustainable and resilient development. Prior to this, Riya was seconded by UNDP to support in setting up the CDRI Secretariat and rolling out flagship technical initiatives including IRIS. Previously, she also led the policy research at 'Centre for Urban Planning and Governance' at The Energy and Resources Institute (TERI) and was a visiting faculty at the School of Planning and Architecture, Delhi. She has authored several publications and is a Coordinating Lead Author for Global Environment Outlook (GEO) for cities, a UN global publication released in November 2021. Riya has a bachelor's in Civil Engineering and master's in Environmental Planning.



Sanjaya Bhatia, Head of Office Incheon, UN Office for Disaster Risk Reduction (UNDRR)

With the increasing complexity of human, economic and political systems risk has become increasingly systemic. This means risk may often combine with or cascade into another risk. Climate change due to global warming is now contributing to environmental degradation and biodiversity loss with corollary impacts on crop yields and food production, international trade, financial market volatility and political instability. We can no longer afford a hazard-by-hazard risk reduction approach. Risk cannot be departmentalized or made the responsibility of just one public service provider or responder. We need to use available tools to help approach risk from a systemic perspective.



Tomoya Shibayama - Professor of Coastal Engineering, Waseda University, Japan

The presentation explains essential concepts in managing coastal disasters, such as tsunamis, storm surges and coastal erosions. It includes several field surveys of events that have taken place in these 20 years, including the Indian Ocean Tsunami, the Tohoku Tsunami, and the storm surges generated by Cyclone Nargis and Typhoon Haiyan. The results are analysed and compared with past events and numerical simulations to clarify and reconstruct the reality of these disasters. It discusses Japanese experiences and their possible applications to Mauritius.

