International Seminar

DISRUPTIVE TECHNOLOGIES : SHAPING FUTURE INNOVATIONS

HOSTED BY

The Institution of Engineers Mauritius

ORGANIZED UNDER THE AEGIS OF

FEIAP COMMITTEE ON ICT

KNOWLEDGE PARTNER

The Institution of Engineers India

IN COLLABORATION WITH

University of Mauritius (UoM)

21 August 2019

Maritim Resort & Spa Mauritius, Turtle Bay, Balaclava

Mauritius

ONE DAY INTERNATIONAL SEMINAR
Disruptive Technologies – Shaping Future Innovations
21 August 2019

CONFERENCE PROGRAMME

8.00–8.30	–	Registration
8.30–8.40	–	Welcome Address by President, Institution of Engineers Mauritius (IEM)
8.40–8.50	–	Thematic Address by President, Institution of Engineers India (IEI)
8.50–9.00	–	Address by President Federation of Engineering Institutions of Asia and the Pacific (FEIAP)
9.00–9.10	–	Address by Vice-President World Federation of Engineering Organisation (WFEO)
9.10–9.25	–	Inaugural address by Minister of Technology, Communication and Innovation, Honourable Yogida Sawmynaden
9.25–9.30	–	Vote of Thanks by, Secretary & Director General, IEI

Group Photo & Tea Break (9.30–10.00)

SESSION 1

Disruptive Technologies – Current & Upcoming Technological breakthrough
Session Chair: Asso. Prof. S Baichoo   Moderator: Mr D Callychurn

10.00–10.20	–	Disruptive Technologies - What are they and implications on our day to day living? Dr. Krishna Oolun
10.20–10.40	–	The Emerging Innovative Technologies - A Myth or Reality? Prof.(Dr.) Mohd Rizal Arshad
10.40–11.00	–	The Hype from the truly disruptive technologies- A user perpsective Mr. Shamindra Basu
11.00–11.20	–	Prof. (Dr.) Huang Wei. President FEIAP
11.20–12.00	–	PANEL DISCUSSIONS

LUNCH BREAK (12.00–13.00)

SESSION 2 **User involvement in Disruptive Technologies** **Session Chair: Mr V Mooneegan Moderator: Dr. O Gokhool**		
13.00–13.20	–	The future of work and the work of the future. Mr. Andy Godwin
13.20–13.40	–	Rethinking Disruption – User Empowerment Mr. Sudeendra Koushik
13.40–14.00		The Artificial Intelligence of Things: From smart connected devices to artificially intelligent things and services Assoc. Prof. Kavi Khedo
14.00–14.20	–	Future of Engineering Education: The Indian Experience Dr. Sujatah Anand
TEA BREAK (14.20–14.50)		
14.50–15.30	–	PANEL DISCUSSIONS
15.30– 16.00	–	IEM/IEI Initiative: 'How to optimize Engineering Opportunities for Development in Africa' Mr. Raj Makoond

CLOSING CEREMONY		
16.00–16.10	–	Address by President IEM
16.10–16.20	–	Address by President IEI
16.20–16.30	–	Closing Remarks and Vote of Thanks by Secretary & Director General, IEI

NETWORKING DINNER (19.00 hrs)

Guest of Honour, IEM Patron

H.E. Mr Paramasivum Pillay Vyapoory, *G.O.S.K*
Acting President
Republic of Mauritius

DISRUPTIVE TECHNOLOGY

Disruptive Technologies – Technologies which displace an established technology and shakes up the industry or a ground-breaking product that creates a completely new industry. Some examples are Personal Computers, Emails, Social Networks, Smart Phones, Tablets, GPS devices, Mobile computing, Drone Technology, Geographical Information Systems, Artificial Intelligence, Internet of Things, 3D Printing, Automated machines & Cloud Computing.

Disruptive Technologies - What are they and how have they infiltrated our day to day living?

The objective of this talk is to highlight how disruptive technologies are already part of our lives and are significantly influencing the way we live. Often people do not realize how dependent we have become on technology. This talk will set the ball rolling on what is meant by disruptive technologies.

The Emerging Technologies - A myth or reality?

Development and innovation in technologies are happening fast. What can we be expecting in the near and in the distant future? Will all these upcoming disruptive technologies have strong lasting impacts? What is indeed awaiting us? This talk will be more about a critical review of upcoming technologies and assessment of what may be coming our way. The talk will bring awareness of what is happing in the world, how the upcoming technologies can quick move into our day to day life and specially to what extent can the promises behind the upcoming technologies become a reality.

The Hype from the Truly Disruptive Technologies – a User Perspective

Are some disruptive technologies oversold only for marketing purposes? Are all the technologies bringing about a change, or are they bringing along their own difficulties? Should we fall in the trap? how to safeguard our interest? This talk is aimed at being critical about new technologies so as to make wise decisions.

The Future of Work and the Work of the Future

Artificial Intelligence, Big Data, Robotics, Automation, Internet of Things have become the buzz word everywhere, governments, businesses, individuals are talking about these technologies today however do we really understand the impact they will have on the way we work today and the work we will do in the future. Join us in this workshop as we explore these emerging technologies and the impact of they will have on work, education, politics and our social interactions.

Rethinking Disruption – User Empowerment

Are industries safe from upcoming disruptive technologies? What risk can these technologies pose for well established industries and eventually for the economy of a country? This talk is to provide a clear appreciation of the risk – who is at risk and how can concerned industries be more resilient, or at least make the audience appreciate that technologies may take us off guard.

The Artificial Intelligence of Things:
From smart connected devices to artificially intelligent things and services

The Internet of Things (IoT) is an emerging multi-faceted area with significant technical, social, and economic importance. Everyday objects, goods, vehicles and utility components are being combined with Internet connectivity and artificial intelligence capabilities which promise to transform the way we work, live, and play. The Internet of Things engages a broad set of ideas that are complex and intertwined from different perspectives. In this presentation emerging IoT application areas including smart cities, precision medicine, precision machining and precision agriculture are discussed. The recent evolution from smart connected devices to artificially intelligent things and services are also discussed.

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