



WEEKEND TALK

WEEK – 6
No Participation Fee



On Safety Engineering, Management and Analytics (SEMA)

Centre of Excellence in Safety Engineering and Analytics (CoE-SEA), IIT Kharagpur

CoE-SEA, IIT Kharagpur presents online “Weekend Talk on Safety Engineering, Management and Analytics (SEMA)”. The aim of this event is to disseminate the gamut of knowledge, information and good practices in SEMA to the stakeholders so that they could implement the latest analytics-based safety management systems at the workplaces.



Prof Davide Manca
Head of the PSE-Lab
POLIMI

TOPIC: VIRTUAL REALITY AND ACCIDENT SIMULATION



Prof. V K Tewari
Director, IIT Kharagpur



Prof. J Maiti
Chairman, CoE-SEA



Prof. O B Krishna
Convener



[Click here to join](#)

Moderators: Mom Mitra, Tata Steel. and Souvik Das (7384804020),
Ashish Garg (7477514701), Sinjana Choudhuri, IIT Kharagpur
Contact us: coesea2020@gmail.com

Date
July 09, 2021

Time
8.00 pm -9.00 pm (IST),
10.30 am - 11.30 am (EDT),
9.30 am - 10.30 am (CDT),
7.30 am - 8.30 am (PDT),
4.30 pm – 5.30 pm (CET)



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Engineering and Analytics (CoE-SEA)

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TOPIC: VIRTUAL REALITY AND ACCIDENT SIMULATION



Prof Davide Manca
Head of the PSE-Lab
POLIMI

Prof Davide Manca, PhD and (co)author of more than 260 peer-reviewed publications, is a professor of Process Systems Engineering (PSE) and head of the PSE-Lab at POLIMI, Italy since 2002. He was the founder and director of R&D and Engineering department at Virthualis, a spin-off company of POLIMI, working on operator training simulation in 3D immersive virtual environments. His research topics includes design, simulation, dynamics, control, data reconciliation, optimization, planning, scheduling, supply chain, economic assessment, market uncertainty, key performance indicators, process analytical technologies, accident simulation, consequence analysis, performance assessment, industrial safety, safety reports, and pandemic models. Under his direction, PSE Lab has worked on several European and Italian research projects with a fruitful collaboration with international universities and companies.

Prof Davide has worked on several industrial plants and processes such as incineration, crude oil distillation, petrochemical, polymerization, pharma equipment, granulators, driers, perforated pans, optimal drug administration, individualized pharmacokinetics, intravenous anesthesia, and demilitarization activities.

He was involved in the design and coding of computer programs for the simulation of chemical plants and dedicated process units, together with an industrial accident simulator and a performance assessment procedure for industrial operators.



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