International Conference on "Safety, Health and Analytics-Driven Governance for Sustainable Development" (SHADG 2024)

January 29 & 30, 2024 (HYBRID MODE)

Organized By

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

In collaboration with (to be updated)

Academia and Industries
(For details see the website)

Registration Fee

Registration Type	Fees*
Academic(Faculty)	6000 INR
Academic(Student)	3000 INR
Industry/ Govt. Official	10000 INR
International Participant	300 USD

*Additional 18% GST will be chargeable
*Accommodation will be provided on payment basis

Organizing Chair & Convener
Prof. J Maiti, Chairman, CoE-SEA

Convener
Prof. O B Krishna, Advisor, CoE-SEA

Organizing Secretaries
Dr. H Shrigondekar, Asst. Prof., CoE-SEA
Dr. R Ahuja, Asst. Prof., CoE-SEA

Student Secretaries
Swarna Kamal Pradhan, RS, CoE-SEA
Gourab Kumar Bagchi, MS, CoE-SEA
Madhwika, RS, ISE

Technical Support
Ashish Ranjan, ISE

Event Management
Sween Josco, PM, CoE-SEA
Pritam Ash, JA, CoE-SEA

Contact Us:
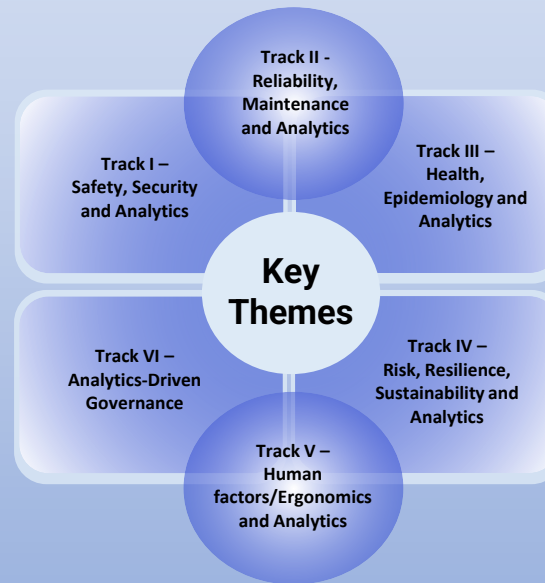**Ms. Sween Josco, Event Manager**

Centre of Excellence in Safety Engineering and Analytics,
2nd floor, J C Bose Annex Building, Ramanujan Complex,
Indian Institute of Technology Kharagpur
Kharagpur 721302, West Bengal, India

Important Dates

Submission of papers*:	Nov 25, 2023
Paper Acceptance Notification:	Dec 15, 2023
Final Submission:	Dec 31, 2023

Registration Start Date: Nov 01, 2023

*Only Extended Abstract will also be considered

Key Themes

- Track I – Safety, Security and Analytics
- Track II - Reliability, Maintenance and Analytics
- Track III – Health, Epidemiology and Analytics
- Track IV – Risk, Resilience, Sustainability and Analytics
- Track V – Human factors/Ergonomics and Analytics
- Track VI – Analytics-Driven Governance

Mail Us at: coesea@iitkgp.ac.in
Copy To: shadg2024@gmail.com
Call Us at: +91-3222-288040 (O)

For more information and updates please visit SHADG 2024 website:
www.coesea.iitkgp.ac.in/shadg24
Or Scan the QR Code

About CoE-SEA

The CoE-SEA has been established in 2020 in IIT Kharagpur under the Institute of Eminence (IoE) scheme of Govt. of India. The CoE-SEA embodies to act as the hub for learning and practice, knowledge creation, standardization, repository, and dissemination of knowledge and information covering the broad domain of safety engineering and management, occupational and environmental health, human factors and industrial ergonomics, disaster management, and allied disciplines. It is a first of its kind focusing in safety analytics and analytics driven governance to protect people and property.

Overview:

SHADG 2024 aims to provide an inter and multi-disciplinary forum for knowledge sharing, dissemination, networking and international collaboration in fields of safety, reliability, health, sustainability, human factors, and analytics-driven governance.

Opportunities and Benefits:

Inspirational Keynotes: Renowned experts and thought leaders will deliver inspiring keynotes, offering insights into the latest trends, challenges, and innovations.

Insightful Sessions: Engage in in-depth discussions through a range of interactive sessions, workshops, and panel discussions led by industry experts.

Cutting-Edge Research: Explore the latest research findings and case studies that showcase real-world applications.

World - Best Practices: Witness the world - known best practices from renowned industry professionals.

Networking Opportunities: Connect with like-minded professionals, researchers, and practitioners from various fields to foster collaborations and exchange ideas.

Key Verticals:

Track 1: Safety, Security and Analytics (SSA)

Safety Engineering, Safety Management, Safety Analytics; Prevention Through Design (PtD); Hazard Identification, Probabilistic Risk Assessment (PRA), Uncertainty Analysis; Safety Economics; Transportation and Logistics Safety, Fire Safety, Construction Safety, Electrical Safety, Process Safety, Mine Safety, Manufacturing Safety; Nuclear fuel cycle; Chemical, Oil and Natural Gas Safety, Structural Safety; Cyber Security, Cyber Risk Management; Industry 4.0/5.0 Technologies, Data, Tools, and Techniques for Safety and Security Analysis and Management

Track 2: Reliability, Maintenance and Analytics (RMA)

Reliability Engineering, Reliability Assessment and Management, Reliability Design, Reliability Prediction; Maintenance Engineering, Preventive and Predictive Maintenance, Remaining Useful Life (RUL), Condition Monitoring, Condition-based Maintenance, Fault Diagnosis & Prognosis, Intelligent Asset Maintenance; Life Cycle Cost, Facility Integrity, Asset Management; Reliability and Maintenance Optimization; Industry 4.0/5.0 Technologies, Data, Tools and Techniques for Reliability and Maintenance Analysis and Management

Track 3: Health, Epidemiology and Analytics (HEA)

Occupational Health, Industrial Hygiene, Health Analytics; Global Health Challenges; Environmental Health Risks, Climate Change and Health; Epidemiology, Injury Prevention, Accidental Injury and Damage, Sustainable Healthcare Systems, Affordable Healthcare, Musculoskeletal Disorders, Occupational Diseases, Job Stress, Noise, and Hearing Loss; Tools and Techniques for Safety and Security Management; Industry 4.0/5.0 Technologies, Data, Tools, and Techniques for Health Engineering and Management

Track 4: Risk, Resilience, Sustainability and Analytics (RRSA)

Business and Industrial Risk, Risk Perception, Risk-based Decisions; Resilience Engineering, Complexity and Emergence, Organizational Resilience and Risk Management; Economic, Social and Environmental Sustainability; Impact of Safety, Security and Disaster Management; Agile System, Sustainable Supply Chain; System Analysis Methods, Life Cycle Assessment and Management; Environmental, Social and Governance (ESG) and Sustainable Development; Industry 4.0/5.0 Technologies, Data, Tools and Techniques for Resilience and Sustainability Engineering and Management

Track 5: Human Factors/Ergonomics and Analytics (HFEA)

Human Factors Engineering, Human Competency and Capability, Human Error and Behaviour, Cognitive Ergonomics; Digital Human Modelling, Human Centric Design and User Experience (UX); Human Factors in Technology and Digital Interfaces; Workplace Ergonomics and Productivity; Public Policy and Health Economics; Disability Risk Prediction and Explanatory Models, Work Disability Prevention; Situational Awareness, Human Sensing Technology, Cognitive Information Processing; Industry 4.0/5.0 Technologies, Data, Tools, and Techniques for Human Factors Engineering and Management

Track 6: Analytics Driven Governance (ADG)

Leadership, Policy, Planning, and Shared Decision-making; Monitoring, Evaluation, and Learning (MEL); Standards, Acts, Audit, Management Information System (MIS); Resource Optimization; Real-time Monitoring, Decision Support System; Cyber Physical System Support, Artificial Intelligence and Intelligent System, Safety Technology, Smart Safety, and Health; Smart Transport and Logistics, Intelligent Asset Management; Industry 4.0/5.0 Technologies, Data, Tools and Techniques for Governance

Submission Guidelines:

- Paper should not exceed 6 pages including references and appendices with a clear abstract (150-250 words) that outlining the objectives, methodology, key findings, and contributions of the paper.
- If interested only in submitting the extended abstract, it should not exceed one A4 size page (printable area) with Times New Roman style with font size of 12 and 1.5 spacing.
- Prepare your paper in .pdf format for submission.
- Electronic paper to be submitted at the following URL: www.coesea.iitkgp.ac.in/shadg24/

Publication:

- Accepted full papers will be published as a book chapter in an edited book (based on blind peer reviews). Some papers may be published in the international journals of repute.

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