



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

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

CALL FOR PAPERS

International Conference on “Safety, Health and Analytics-Driven Governance for Sustainable Development” (SHADG 2024), January 29-30, 2024 (HYBRID MODE)

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

Authors are invited to submit one or more papers to the following topic areas:

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 Facility Safety; 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



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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

Important Dates:

Full Paper or Extended Abstract Submission: ~~25-Nov-2023~~ 15-Dec-2023

Acceptance Notification: ~~15-Dec-2023~~ 29-Dec-2023

Final Submission: 31-Dec-2023

Registration Start Date: 01-Nov-2023

Submission Guidelines:

- Paper should have 4000 to 6000 words, excluding references and appendices, with a clear abstract (150-250 words) that outlines the objectives, methodology, key findings, and contributions of the paper.
- If interested only in submitting the extended abstract, the abstract should not exceed one A4 size page (printable area).
- Prepare your paper in .pdf format for submission.
- Electronic paper to be submitted at the following URL: <http://www.coesea.iitkgp.ac.in/shadg24/>
- Papers should be submitted using the paper template. All details and instructions are available on the submission page: <http://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.

All correspondence related to this call can be addressed to: coesea@iitkgp.ac.in.

We eagerly anticipate your valuable contribution and active participation at the upcoming international conference on “Safety, Health and Analytics-Driven Governance for Sustainable Development”.

Organizing chair

Prof. J Maiti,
Chairman, CoE-SEA

Convener

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