International Conference on “Safety, Health and Analytics-Driven Governance for Sustainable Development” (SHADG2024)

January 29-30, 2024 (HYBRID MODE)

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For more information and updates please visit SHADG2024 website: www.coesea.iitkgp.ac.in/shadg24
Or Scan the QR Code

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About CoE-SEA
The CoE-SEA embodies 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, and disaster management.

Overview:
SHADG2024 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.

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

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

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

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

Key Verticals:

**Track-1: Safety**
- Safety Engineering
- Safety Management
- Safety and Security Analytics
- Reliability Engineering
- Maintenance Engineering
- Diagnosis, Prognosis, and Predictive Maintenance
- Prevention Through Design (PtD)
- Probabilistic Risk Assessment
- Uncertainty Analysis
- Safety Economics
- Smart Transportation and Logistics
- Fire Safety Engineering
- Construction Safety
- Electrical Safety
- Process Safety
- Mine Safety
- Standards, Acts and Codes
- Industry 4.0/5.0 Technologies (e.g., AI, VR, ML, DL, Explainable AI, IIoT)

**Track-2: Health**
- Occupational Health
- Industrial Hygiene
- Health Analytics
- Global Health Challenges
- Epidemiology
- Injury Prevention
- Accidental Injury and Damage
- Environmental Health Risks
- Climate Change and Health
- Sustainable Healthcare Systems
- Achieving Health Equity within SDGs

**Track-3: Human Factors**
- Human Factors Engineering
- Human Competency and Capability
- Human Error and Behavior
- Cognitive Ergonomics
- Human-Centered Design and User Experience (UX)
- Human Factors in Technology and Digital Interfaces
- Workplace Ergonomics and Productivity
- Human Factors in the Military
- Public Policy and Economics
- Disability risk prediction and explanatory models
- Work disability prevention from a systems perspective

**Track-4: Sustainability**
- Environmental, Social, and Governance (ESG)
- Economic, Social and Environmental Sustainability
- Impact of safety, security and disaster management
- Resilience
- System analysis methods, including life cycle assessment and management
- Agile system
- Sustainable Supply Chain

**Track-5: Analytics-Driven Governance under Industry 4.0/5.0**
- IoT
- Cyber-Physical Systems Safety and Security
- Social Determinants
- Government Policies for Sustainability
- Policy, Planning and Shared Decision-making in Safety Monitoring, Evaluation and Learning (MEL)
- Standards, Acts, Audit
- Management Information System (MIS)
- Resource Optimization
- Real-time Monitoring

Submission Guidelines:
- Paper should have 4000 to 6000 words, excluding references and appendices.
- Provide a clear and succinct abstract (150-250 words) that outlines the objectives, methodology, key findings, and significance of the paper.
- Prepare your paper in PDF format for submission.

Presentation:
- An online presentation of selected paper will be organized through the virtual conference platform that will be conveyed later.
- A few papers will be selected for the poster presentation.

Publication:
- Accepted full papers will be published as a book chapter in an edited book (based on blind peer reviews). The edited book will be published by a reputed publication house. Electronic paper to be submitted at the following URL: www.coesa.iitkgp.ac.in/shadg24/