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## 8th International Conference on Information Systems and Management Science: ISMS2025



### Paper Call: Special Session (Hybrid Mode: 05-07, December 2025) Emerging Technologies Prospective on Innovation, Sustainability and Security of Natural Resources

**Session Chair:** Dr. Naresh Kumar,  
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#### Session Introduction:

In this session, the articles are invited and presented to impart the system thinking of emerging technologies which would endlessly groom the real picture of real life applications with natural resources such as agriculture, water, environmental modeling and security framework of the digital system. The term 'data' remains a buzz word in digital era which inspires to focus engineering, analytics and visualization without any bar of data modalities. Huge amount of amount of data which requires highly demining technology manage, is referred unstructured data which is in fact a category of big data.

The term of data preprocessing is highly coined as laborious task before the evolution of emerging trends after that the marriage of data with science, engineering and learning analytics opened a door of setting the endless milestones in different fields of research such as sustainability of agriculture, ecological modeling, security enhancement etc. These fields of research do not only require the specific expertise but a strong computational modeling and parametric simulation in case the access of data/ground truth of actual data is not accessible. For example, the topic of earthquake prediction, aviation accidents and many sudden related human healthcare and death data modeling still remains with high range of unpredictability.

This session invites and encourages fostering the research domain even out of box in which every recently developed technology such quantum machine learning, Internet of Everything, and very categories recently introduced machine learning domain. The major can be outlined but limited to

#### Theme 1: Visual data Science

- Unstructured data of video understanding
- Suspicious video modeling
- Computer Vision and its data analytics

- Sport prediction and performance
- Training Scenarios for academic and defense personal
- Enhancing food quality and detention waste product
- Wild life sanctuaries and monitoring
- Agribusiness and optimization in food production
- Visual security with missile tracking
- Target prediction and accidental event detection
- Human action and visual therapy for elderly healthcare

### Theme 2: Non-visual data Science

- Robotic simulation for healthcare
- Smart IoE for agriculture and smart home appliances
- Financial data statistics and stock price modeling
- Sentiments studies of recommendation systems
- Political sentiments on international financial trades
- Sustainable resources for wellbeing life
- Quality of stress management among the defense personal
- Agribusiness and optimization in food production
- Visual security with missile tracking
- Fake news predictions

### Submission Procedure:

- **Guidelines:** <https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>
- **Registration Fee: Follow Conference page guidelines:** <https://isms2025.iaasse.org/call-for-papers.html>
- **Important date: (Conference main page):** <https://isms2025.iaasse.org/call-for-papers.html>
- **Important Dates / Deadlines**
  - **Call for Papers: August 01, 2025**
  - **Submission of Full Papers: September 30, 2025**
  - **Notification of Acceptance: October 31, 2025**
  - **Early Bird Registration: November 05, 2025**
  - **Conference: December 5-7, 2025**
  - **Submission of CRC: January 31, 2026**