Call for Papers and Tutorials

5th Data Science School (DSS) &

3rd Operations Research Techniques and Applications School for Africa (ORTASA)

Organised by the Institute of Mathematics and Physics (IMSP)

https://ceasma-benin.org/

Dangbo Campus, Republic of Benin

November 10-14, 2025

Overview

The Institute of Mathematics and Physics (IMSP), located at the Dangbo campus in the Republic of Benin, is pleased to announce the joint edition of the 5th Data Science School (DSS) and the 3rd School on Operations Research Techniques and Applications for Africa (ORTASA).

This high-level academic and professional event will convene leading scholars, industry experts, entrepreneurs, and policymakers from across the region. Participants will engage in a dynamic program of advanced tutorials, keynote lectures, and interactive sessions, all designed to bridge the gap between theoretical foundations and practical applications in Data Science and Operations Research.

In addition to the core program, the event will feature two notable side events:

- Official Launch of the Operations Research Society of West Africa (ORSWA), a regional professional body bringing together scholars and practitioners from Benin, Burkina Faso, Côte d'Ivoire, Mali, Nigeria, Senegal, and Togo.
- Revival Meeting of the Digital Science and Technology Network (DSTN). DSTN is a collaborative network of seven World Bank-funded Centres of Excellence based in Benin, Nigeria, Côte d'Ivoire, and Senegal, working to promote innovation and capacity building in digital science and technology.

Main Speakers

- Samuel FOSSO WAMBA, Toulouse Business School
- Muminu O. Adamu, University of Lagos

Topics of Interest

We invite submissions of research papers and tutorial proposals on, but not limited to, the following topics:

- Optimisation Techniques in Machine Learning, Deep Learning, and Reinforcement Learning
- Large Language Models: Techniques and Educational Applications
- Agentic AI and Autonomous Agents
- Generative AI in Education
- Conversational Agents for Teaching

- Intelligent Tutoring Systems (ITS)
- Dialogue-Based Tutoring Systems (DBTS)
- AI-driven Personalization of Learning Paths
- Ethical Considerations in AI-driven Education

Submission Guidelines

Participants are invited to submit:

> **Research Papers**: Extended abstracts (up to 4 pages) or full papers (up to 12 pages).
> **Tutorial Proposals**: Detailed proposals (up to 4 pages) describing the scope, target audience, and outcomes.
> **Posters**: Especially recommended for graduate students and early-stage researchers.
> All submissions must be in English, in PDF format, following standard academic formatting guidelines.

Important Dates

- Submission Deadline: September 15, 2025
- Notification of Acceptance: October 5, 2025
- Final Camera-Ready Submission: October 20, 2025

Expected Attendees

- Educators, Lecturers, and Researchers
- Graduate and Postgraduate Students
- Industry Representatives and Entrepreneurs
- Government and Ministry Representatives

Registration

Details regarding registration fees, payment methods, and grants availability will be provided soon on the official website.

Grants and Sponsorship

A limited number of grants will be offered, with priority given to female participants from West and Central African countries. IMSP, University of Abomey-Calavi, and the African Centre of Excellence in Mathematical Sciences and Applications are among the main sponsors.

Organizing Committee

- Carlos OGOUYANDJOU
- Jules DÉGILA
- Guy DEGLA
- Pélagie HOUNGUÈ

Contact Information

For more information, visit our websites:

- Data Science School: https://sites.google.com/imsp-uac.org/data-science-school

- ORTASA : https://sites.google.com/imsp-uac.org/ortasa

Email inquiries

DSS: datascienceschool@imsp-uac.org

We look forward to your participation and contributions to advancing Data Science and Operations Research in Africa.