Pan-African Artificial Intelligence and Smart Systems Conference

October 7-9, 2021, University of Namibia, Windhoek, Namibia, Africa
Conference Website: https://www.paaiss.com

Call for Papers

Important Dates:

- Technical papers submission deadline: **April 30, 2021**
- Author notification: **May 31, 2021**
- Final manuscript deadline: **July 10, 2021**
- Author registration deadline: **July 10, 2021**

The 1st Pan-African Artificial Intelligence and Smart Systems Conference (**PA-AI&SS - 2021**) will be held at the **University of Namibia,** Windhoek, Namibia, October 7-9, 2021: https://paaiss.com. This annual conference will bring together leading academic research scientists, academia, industry practitioners, independent scholars, and innovators from across the African continent and the world, to explore, exchange, and discuss the challenges and opportunities of harnessing the capabilities of Artificial Intelligence (AI) and smart systems, which have emerged as the engine of the next wave of future innovations. The conference will feature high-quality technical sessions, workshops, keynotes, panel discussions, and tutorials. Topics of interest include, but are not limited to the following:

Track 1: Artificial Intelligence (Theory and Algorithms)	Track 2: Smart Systems Enabling Technologies
• Machine Learning	• Affective Computing
• Neural Networks/ Deep Learning	• Big Data and Smart Systems
• Computational Intelligence	• Biometrics and Smart Systems
• Computer Vision and Image Processing	• Cloud Computing
• Evolutionary Computing	• Dependable Computer Systems
• Swarm Intelligence	• Embedded Computer Systems
• Bio-inspired Computing	• Green Computing
• Fuzzy Models and Techniques	• High- Performance Computing
• Quantum machine learning	• Intelligent Power Systems and Environments
• Data Mining and Knowledge Discovery	• Intelligent Transportation Systems
• Computational Theories of Learning	• Internet of Things
• Natural Language Processing	• Mobile and Wireless Networks
• Knowledge-based Systems	• Smart Houses and Cities
• Pattern Recognition	• Smart Systems in Business Information Systems
• Robotics Systems	

Track 3: AI Applications in Emerging 5G Networks	Track 4: Applied AI and Smart Systems
• Autonomic (self-aware) 5G networks management	• Smart cities
• Smart RF sensors and applications in 5G\6G networks	• Smart agriculture
• Cognitive 5G networks	• Smart grids and energy systems
• 5G-enabled systems optimization	• Smart application in medicine
• Blockchain for 5G enable Smart systems	• AI and environment systems monitoring
• AI-enabled IoT for 5G intelligent machine type services	• AI application in hieroglyphic translation
• Re-configurable intelligent surfaces	• AI application in African languages translation
• AI applications in visible light communications	• AI-enabled cybersecurity Systems
• Imbedded ML and DL in 5G edge computing systems	• AI-Enabled computational Hieroglyphics

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Submission of papers:
Through EasyChair system using: *https://easychair.org/conferences/?conf=panafricanais2021*
As shown on the page which is opened, you must first create an EasyChair account if you do not have one already. The EasyChair system will then email you your password, which you will use to access the system and finalize your paper submission.

Template for paper preparation can be found here:
http://voyager.ce.fit.ac.jp/conftools/Springer/For-the-authors-LECTURE-NOTES-TEMPLATES.zip

Conference Proceedings:
Proceedings of the conference will appear in Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering (LNICST) Springer Series, indexed in SCOPUS, SpringerLink, and DBLP (https://www.springer.com/series/8197)

Contact:
For any additional query, please contact the conference TPC Co-chairs via email:
General-chair@paaiss.com

Call for Mini-Workshops
Important Dates:
- **Workshop papers submission deadline: April 30, 2021**
- **Author notification: May 31, 2021**
- **Final manuscript deadline: July 10, 2021**
- **Author registration deadline: July 10, 2021**

Proposals for mini-workshops to be held in conjunction with the PAN-African Artificial Intelligence and Smart Systems Conference (**PA-AISS)** at the University of Namibia, o more specifically the day before

the main conference or during the evenings. These events will provide authors, panelists, and special guests to present early research results, perspectives, and insights on topics relevant to the conference attendees. Workshops and tutorials are sought in but not limited in the following areas:

- Emerging trends influenced by AI and smart systems
- Smart system Implications on cultures and societies
- Ethics in AI and smart Systems
- Emerging the smart systems with 5g, 6G, blockchain, and IoT
- Mathematics and Statistics in AI
- AI for Traditional Medicine
- African classics in mathematics, computation, and knowledge representation

Each successfully submitted workshop proposal is reviewed closely by the conference organizing committee. Workshops have a duration of Full day or Half day.

Submission Format
Mini-Workshop and Tutorial submissions should be formatted as follow:

- Title of the Tutorial/Workshop and short summary.

- Broad scope (e.g. Smart Farming using Sensor Networks)

- Name, affiliation and contact (including email and phone) details of the coordinating presenter and all other co- presenters.

- The targeted audience and prerequisites.

- Tutorial/Workshop duration. Full day tutorials will be seven hours and half day tutorials will be three and a half hours.

- Detailed tutorial program, with a list of topics covered.

- Technical bibliography (with emphasis on the authors' works and other related works being covered).

- List of tutorial material to be provided to the attendees.

- Short biographical sketch of each presenter indicating previous experience in delivering lectures and tutorials, and expertise on the tutorial topic.

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Submission:
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Contact:
For any additional query, please email the conference TPC Co-chairs using:
General-chair@paaiss.com