Federated Africa and Middle East Conference on Software Engineering

7 – 8 June 2022, Egypt-Uganda

FAMECSE

About FAMECSE Conference

The Africa and Middle East Conference on Software Engineering (AMECSE) and Software Engineering in Africa (SEiA) conference have joined forces and grew into the so-called Federated Africa and Middle East Conference on Software Engineering (FAMECSE). FAMECSE aims at promoting and strengthening the SE community in Africa and the Middle East by gathering practitioners and researchers to present and share the most recent innovations, trends, experiences and concerns in the field of Software Engineering of interest to the region.

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Website
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Organizers

Call for Submissions and Participation

FAMECSE is a forum for practitioners and researchers to present and share the most recent innovations, trends, experiences and concerns in the field of software engineering. *Artificial Intelligence* plays a great role in enhancing the way Software Engineering practices are done. On the other hand, exploiting AI in practice has triggered the need for a new Software Engineering practices and techniques in order to handle the special nature of AI-based applications.

The theme of the first Federated African and Middle East Conference on Software Engineering (FAMECSE) is ***Software Engineering in the Era of Artificial Intelligence***. FAMECSE 2022 conference aims at exploring how innovation in software engineering can support Artificial Intelligence development, and how AI can provide innovative solutions to advance Software Engineering practices and techniques. AI is more of a contextual rather than a subject-specific focus for submission.

FAMECSE 2022 is organized **In-Cooperation with the ACM SIGSOFT**.

We solicit high quality contributions in one or more of the following three types of submissions.

- **Technical Papers** limited to 10 pages describing technical research results.

- **Short Papers** limited to 4 pages describing preliminary results/work-in-progress.

- **Tutorials** are short lectures delivered by leaders in industry or academia to provide hands-on experience in new and emerging technologies and tools.

FAMECSE 2022 accepted papers will be published in the **ACM Conference Proceedings Series (ACM-ICPS)** with **ISBN 978-1-4503-9663-9.**

Submissions must be original and NOT have been previously published or currently under review elsewhere. Submissions will be evaluated based on the scientific quality, relevance for the African continent as well as the global software engineering community. All papers must follow the ACM format that can be found in the following link: *ACM Primary Article Template*

Conference Topics

FAMECSE 2022 topics of interest include:

- Requirements Engineering, Architecture/Design, Testing
- Software Processes (Agile, Scrum)
- Software Engineering Education and Training in Africa
- Software Innovations and Start-ups
- Software Fairness
- Data Science, Internet of Things and Cloud Computing in Africa

- Open Source Software and Software Ecosystems in Africa
- National Policies for Growing the IT Industry
- AI Integration with Blockchain, Big Data, Analytics , IoT… etc.
- AI in Digital Business Models
- AI Driven Development
- AI for Smart Cities
- Machine Learning/Deep Learning for Software Engineering

- AI for autonomous things
- AI Based Software Architecture
- DevOps for AI Development
- AI Frameworks and Tools
- Intelligent Database Systems
- Testing AI Applications

Important Dates

Deadline for Submission	April 28th, 2022
Notification to author/speaker	May 21st, 2022
Camera Ready	May 31st, 2022

Paper submissions must be done electronically via *EasyChair* (*https://easychair.org/conferences/?conf=famecse2022*) by the stated deadlines. If a submission is accepted, at least one author of the paper is required to register for FAMECSE 2022 and present the paper.

Tutorial submissions must be sent via FAMECSE email *famecse@itida.gov.eg*

The call for submissions and submission guidelines and policies are available at: *federated.amecse-conferences.org*