

IEEE AFRICON 2023

SEPTEMBER
20TH - 22ND
NAIROBI, KENYA

THEME:
“Advancing Technology in Africa
Towards Presence on the Global Stage”

www.2023.ieee-africon.org

IEEE
Region 8



IEEE
Kenya Section

CALL FOR PAPERS

IEEE AFRICON 2023 is co-sponsored by IEEE Region 8 and the IEEE Kenya Section and is the flagship conference for the African continent. It will be held in Nairobi, Kenya, on 20th – 22nd September 2023 under the theme “Advancing Technology in Africa Towards Presence on the Global Stage”.

This conference will feature world-class plenary speakers, major technical symposiums, industry and academic panels, workshops, tutorials and invited tracks on emerging technologies.

THEMATIC AREAS INCLUDE (BUT PAPERS ARE NOT LIMITED TO):

Track 1: Artificial and Computational Intelligence

Track 2: Cloud Computing, IoT and Data Analytics

Track 3: Wireless Communication Systems, Antennas Systems, Microwave Systems and Propagation Models

Track 4: Innovations for Digital Transformation, Industrial Development, Industry 4.0, Industry 5.0, and Engineering Education

Track 5: Industrial Electronics, Control, Autonomous Systems, Instrumentation, Biomedical Engineering and Consumer Applications

Track 6: Electrical Power & Energy Systems, Renewable Energy Technologies, Distributed Generation and Power Quality

Track 7: Short papers.

For a detailed list of topics >> <https://2023.ieee-africon.org/authors/topics-of-interest>

GUIDE FOR AUTHORS

Two types of submissions are invited for presentation at Africon 2023:

1. **Full papers** – mature results or completed projects and should not exceed 6 pages.
2. **Short papers** - targeting Industry players, practitioners, policy makers, private sector actors and **work in progress** from both the industry and academia – may be up to 3 pages. Presents early or complete research results, case studies, best practices, and perspectives relevant to the conference themes.

All accepted, registered, and presented papers will be considered for publication in IEEE Xplore Digital Library.

For details on paper submission >> <https://2023.ieee-africon.org/authors/paper-submission>

IMPORTANT DATES

29th March 2023 - Submission deadline

15th May 2023 - Author Notification deadline

1st June 2023 - Camera Ready Papers submission

21st August 2023 – Early Bird Registration Deadline

20th – 22nd September 2023 – Conference Dates

CALL FOR REVIEWERS

Interested in reviewing papers for 2023 AFRICON?

<https://bit.ly/africon23-call-for-reviewers>

INTERESTED IN PRESENTING A PANEL, WORKSHOP OR TUTORIAL

Contact africon-tpc-chairs@ieee.org

Conference Website: <https://2023.ieee-africon.org>

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Track 1: Artificial and Computational Intelligence

Chair: Dr. Davies Segera, University of Nairobi, Kenya
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Track 2: Cloud Computing, IoT and Data Analytics

Chair: Dr. Olukayode Ayodele Oki, Walter Sisulu University, South Africa
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Track 3: Wireless Communication Systems, Antennas, Microwave Systems and Propagation Models

Chair: Dr. Heinrich Laue, Namibia Water Corporation Ltd, Namibia
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Co-Chair: Prof. Amer Ragab Zerek, Libya Open University, Libya
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Track 4: Innovations for Digital Transformation, Industrial Development, Industry 4.0, Industry 5.0 and Engineering Education

Chair: Dr. Shadrack Mambo, Walter Sisulu University, South Africa
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Track 5: Industrial Electronics, Control, Autonomous Systems, Instrumentation, Biomedical Engineering and Consumer Applications

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Track 6: Electrical Power & Energy Systems, Renewable Energy Technologies, Distributed Generation and Power Quality

Chair Prof. Christopher Maina, Murang'a University of Technology, Kenya
Co-Chair Prof. Sarath Bandara Tennakoon, Carnegie Mellon University, Africa, Rwanda
Co-Chair Dr. Irene Muisyo, Jomo Kenyatta University of Agriculture & Technology, Kenya
Co-Chair Prof. Soufi Youcef, University Echahid Larbi Tebessi, Algeria

Track 7: Short Papers

Chair Mr. Kinyua Wachira, University of Nairobi, Kenya
Co-Chair Prof. Sarath Bandara Tennakoon, Carnegie Mellon University, Africa, Rwanda
Co-Chair Engr. Anton Cutajar, Enser Ltd, Malta
Co-Chair Kithinji Muriungi, Konza Technopolis, Kenya

Postgraduate Forum

Chair Dr Mike Asiyu, Kenyatta University, Kenya
Member Ms. Margaret Gechanga, Technical University of Kenya, Kenya
Member Dr. Cosmas Kiruki, University of Nairobi, Kenya

Technical Program and Plenary Sessions

Chair: Benson Ojwang, University of Nairobi, Kenya
Member: Dr Mary Ahuna, Technical University of Kenya, Kenya
Member: Dr. Peter Akuon, University of Nairobi, Kenya
Member: Kinyua Wachira, University of Nairobi, Kenya

Panels, Workshops and Tutorials

Chair: Prof. Fisseha Mekuria, SMIEEE, Malmö University, Sweden
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Member: Prof. Christopher Maina, Murang'a University of Technology, Kenya
Member: Dr. Kennedy Ronoh, Strathmore University, Kenya
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