



## 2022 IEEE Fourth International Conference on Information communication technology for Development for Africa (ICT4DA2022)

[https:// ict4daconf.org/](https://ict4daconf.org/)

November 28-30, 2022

Bahir Dar, Ethiopia

### CALL FOR PAPER

4<sup>th</sup> International Conference on Information and Communication Technology for Development for Africa (ICT4DA2022), will take place in Bahir Dar, Ethiopia on 28-30 November, 2022. ICT4DA2022 is aims to bring together researchers, engineers, developers, and practitioners from the academia and the industry to present and discuss their research work in the area of ICT for Development. This conference seeks to facilitate the transfer of experience, adaptation of methods, and where possible, foster collaboration among different groups.

Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements

Please visit the conference web page for more details: <https://ict4daconf.org/>. The topics of interest cover all aspects of ICT towards the socioeconomic development but not limited to the topics in the tracks below.

- **Track 1: Intelligent Systems & Data Science**
  - Decision support systems
  - Autonomous multi-agent systems
  - Fuzzy logic systems
  - Machine learning and deep learning
  - Data Science and Big Data analytics
  - Statistical learning algorithms, models and theories
  - Application of IoT and AI to solve societal problems in agriculture, healthcare, industry, and others
- **Track 2: Wireless Communications & Emerging Networking**
  - Emerging networks, Network virtualization and SDN
  - AI in wireless networks and cognitive radios
  - Unmanned aerial vehicles (UAVs) and other autonomous Communication Systems
  - IoT and smart sensing in the 4th Industrial Revolution (4th IR) applications.
  - Satellite and space communication
  - Affordable broadband wireless networks for emerging economy
  - 5G and beyond networks for the sustainable development goals
  - Future Internet systems and community networks

*Digital innovation for sustainable and inclusive economic growth*



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- Green networks, smart grid and power-line communications
- **Track 3: Computing Systems**
  - Software Development Methods and Techniques
  - Requirements Engineering
  - Software Architecture, Design, Testing and Quality Assurance
  - Software maintenance and evolution
  - Software Project Management
  - Virtualization and Containers
  - Embedded systems
  - Energy Harvesting, and Energy Management Systems
  - Circuits and HW Systems for Emerging Technologies
- **Track 4: Security and Privacy**
  - Access control and security models
  - Cloud, Internet of Things, and embedded systems security
  - Internet, communication and network security
  - Forensics, hardware and biometric security
  - Software security and malware
  - Intrusion detection and prevention systems
  - Security and privacy policies and trust management
  - Data and AI systems security
- **Track 5: Natural Language Processing (NLP)**
  - Speech recognition, speech synthesis
  - Dialogue and multilingual Interactive Systems
  - Narrative understanding and commonsense reasoning
  - Sentiment analysis and opinion mining
  - Multimodal and grounded language processing
  - Summarization and Information Extraction
  - Applications of NLP on web, social media, and computational social science
  - Machine learning in NLP
- **Track 6: Information systems and services**
  - IS implementation, adoption and diffusion
  - Philosophical, theoretical and methodological approaches in IS
  - Human computer interaction
  - eService, digital government and platforms
  - Innovative digital technologies in business, public & economic services including resilient infrastructures, climate change, pandemics, and other Challenges



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### Important Dates

- Paper Submission deadline: June 30, 2022
- Acceptance Notification: August 15, 2022
- Camera Ready Deadline: September 12 ,2022
- Registration Date: October 01.2022
- Conference Dates: **November 28-30, 2022**

### Paper Submission and Publication

Prospective authors are invited to submit full papers including results, tables, figures and references (which have not submitted or published or are not under consideration elsewhere) in PDF format. The submitted papers should be 6 pages long including, tables, figures and references and additional pages will be charged, in English and using the Using IEEE A4;Two-Column Format ( IEEE Proceedings A4 Format **Template**), through the submission portal on [Microsoft conference management toolkit](#)

*Note:* If an author doesn't have an [CMT](#) account, you need to create an account first. Then, log in with the created account. Then, click on the "Submit" sign.

The submitted manuscript will be reviewed by at least three experts selected by the Technical Committee for their demonstrated knowledge of particular topics. Authors will be notified of the review results by email around notification date.

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