



# Call for Papers

Debre Markos Institute of Technology (DMiT)

The 2<sup>nd</sup> National Conference on

## Advancement of Science and Technology for Sustainable Development (ASTSD-20)

Sponsors are highly welcome

May 2-3, 2020

Debre Markos Institute of Technology will hold its 2<sup>nd</sup> National Conference under a main theme “**Advancement of Science and Technology for Sustainable Development**” on May 2 & 3, 2020 at Debre Markos, Ethiopia. The objective of this conference is to create a platform where experts from academia, research institutes, industry and the government come together to discuss on the role of advancements of science and technology for sustainable development. Hence, all interested researchers are hereby invited to submit their completed research papers falling under the following thematic areas:

### Thematic areas of the conference

#### Theme 1: Electrical, Electronics and Computing Technologies

- ✓ Electrical Power Systems
- ✓ Renewable Energy and Rural Electrification
- ✓ Electronic Communication Engineering & Wireless Technology
- ✓ Control Systems, Automation and Robotics
- ✓ Wireless Sensor Networks & Ad hoc networks
- ✓ VLSI and Embedded Systems
- ✓ Digital Signal Processing
- ✓ Mobile & Cloud Computing
- ✓ Network & Cyber security
- ✓ Artificial Intelligence, Machine Learning & Expert Systems
- ✓ Web Technologies & Electronic Systems
- ✓ Image Processing & Multimedia
- ✓ Big Data & Internet of Things (IoT)
- ✓ Natural Language processing
- ✓ High performance Computing Architecture
- ✓ Software Modeling, Integration and Testing

#### Theme 2: Mechanical and Industrial Engineering

- ✓ Product Design, Development and Optimization
- ✓ Progresses in farm Machinery
- ✓ Energy and Environment
- ✓ Green and Sustainable Technologies
- ✓ Thermal systems Design and Optimization
- ✓ Computational Fluid Dynamics
- ✓ Control and Dynamics of Mechanical Systems
- ✓ Human factors design and safety engineering
- ✓ Maintenance engineering and reliability analysis
- ✓ Materials processing & manufacturing
- ✓ Production logistics, Supply Chain Design and Management
- ✓ Product Quality Management Systems and Productivity Improvement Mechanisms

#### Theme 3: Civil and Water Resources Engineering

- ✓ Construction Materials
- ✓ Construction Management
- ✓ Architecture & Urbanism
- ✓ Structural Systems optimization
- ✓ Railway & Transport Engineering
- ✓ Geological and Geotechnical Engineering
- ✓ Remote sensing and Application of GIS
- ✓ Soil Erosion, Reservoir and Watershed management
- ✓ Irrigation and drainage Engineering
- ✓ Water supply, Environmental Monitoring and Risk Assessment
- ✓ Water Resource Development, Planning, Assessment and Modeling
- ✓ Water Quality and Waste Water Treatment
- ✓ Solid waste management



### Important Deadlines

- Abstract Submission: February 10
- Notification of Abstract Acceptance: February 28
- Full Paper Submission: March 13
- Notification of Final Acceptance: April 10
- Conference Dates: May 2 and 3, 2020

### Notes

- Download Abstract submission template and guideline from [http://www.dmu.edu.et/technology/national\\_conference](http://www.dmu.edu.et/technology/national_conference)
- Submit your papers to: [dmitnationalconference@gmail.com](mailto:dmitnationalconference@gmail.com)
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