



## **CALL FOR PAPERS**

**Botswana International University of Science & Technology  
is pleased to host the 3<sup>rd</sup> International Conference on  
Engineering Facilities Maintenance and Management  
Technologies (EFM<sup>2</sup>T20)**

**under the theme:**

**Engineering Facilities Maintenance & Management: A  
pre-requisite for attaining a knowledge-based economy**

**to be held at**

**Botswana International University of Science & Technology  
(BIUST) Campus, Palapye, Botswana**

**between**

**May 25<sup>th</sup> to 27<sup>th</sup> 2020**

## **CONFERENCE OBJECTIVE**

The 3<sup>rd</sup> International Conference on Engineering Facilities Maintenance and Management Technologies (EFM<sup>2</sup>T'20) is a foremost inter-disciplinary forum for leading academic scientists, researchers and research scholars in the speciality of engineering facilities management to present their practical experiences and research outcomes. It is also a meeting point for researchers, practitioners and educators to disseminate and discuss the most recent innovations, trends, concerns, practical challenges encountered and the solutions adopted in the discipline of Engineering Facilities Management Technologies.

## **CONFERENCE THEME**

- **Engineering Facilities Maintenance & Management: A pre-requisite for attaining a knowledge-based economy**

The organising committee of EFM<sup>2</sup>T'20 at Botswana International University of Science and Technology (BIUST) hereby invites papers, keynote addresses, or poster sessions on the topics provided below or on any other topic relevant to the conference theme. Prospective authors should submit an abstract of at most 200 words, presenting the aims, methods, key results and conclusion of their papers.

The abstract should include title of the paper, author(s) name, affiliation, mailing addresses and emails. At the end of the abstract, authors are requested to include about 5 key words that appropriately describe their work. Only papers for registered authors will be published in the Scopus-indexed conference proceedings which will be an open access to enhance visibility. All full papers are subjected to a double peer review process. All authors submitting papers to this conference will need to review two manuscripts. Selected papers will also be published in the Scopus-indexed journals. Submission of abstract should be made through the link provided below:

Submission Link: <https://easychair.org/conferences/?conf=efm<sup>2</sup>mt>

### **Sub-themes:**

- **MAINTENANCE CULTURE & MANAGEMENT**
  - Maintenance Processes
  - Maintenance Auditing
  - Maintenance Systems
  - Maintenance Standards
  - Maintenance Policies

➤ **ISSUES IN FACILITIES MAINTENANCE & MANAGEMENT**

- Space & Facilities Management Planning
- Ethics, Legal, Health & Safety Issues in Engineering Facilities Management and Maintenance
- Ergonomics and Workplace Design
- Environmental and Workplace Psychology
- Maintenance Management Practices
- Facilities Management Economics
- Life Cycle Assessment
- Education in Facilities Maintenance & Management

➤ **CIVIL ENGINEERING FACILITIES**

- Building Services
- Road & Transportation Systems
- Design for Maintenance & Management of Civil Engineering Facilities
- Water and waste water facilities

➤ **MECHANICAL, MINING, ENERGY & ELECTRICAL FACILITIES**

- Heating, Ventilating, A/C and Refrigeration Systems
- Static, Mobile and Rotating plant.
- Process plant, Power generation, Mining and other large-scale systems
- Electrical & electronic Equipment
- Energy efficiency, monitoring and management in engineering facilities
- Maintenance of Renewable Energy Facilities
- Re-manufacturing/repair technologies of high value engineering components
- Design for Maintenance & Management of Mechanical, Mining, Energy & Electrical Engineering Facilities

➤ **E-MONITORING, SIMULATION & EXPERT SYSTEMS FOR DIAGNOSIS**

- Sensors technology and damage detection
- Modelling analysis and optimisation of facilities performance and management
- Monitoring, diagnosis, Failure analysis and health management of engineering components
- Advanced signal processing and big data applications in facilities management
- Intelligent machines. image processing and machine learning for equipment maintenance
- Distant Monitoring of Engineering Facilities
- Structural Health Monitoring

## **Conference Workshops**

Workshops on Engineering Facilities Maintenance and Management Technologies and case studies will also be organised during the conference. Participants for this event are expected from both government parastatals and private sectors from within and outside Botswana.

## **Conference Exhibition**

Business enterprises from within and outside Botswana are also invited to participate as exhibitors at the conference.

## **Other Events**

Tours will be organised for participants during the Conference. Post Conference tours to Game reserves and other important sites in Botswana will also be facilitated.

**CONFERENCE VENUE:** BIUST campus, Palapye, Botswana

## **IMPORTANT DATES**

<b>Activity</b>	<b>Date</b>
Call for Papers	15 <sup>th</sup> March 2019
Abstract submission deadline	31 <sup>st</sup> August 2019
Notification of acceptance (abstracts)	30 <sup>th</sup> September 2019
Early bird registration open	1 <sup>st</sup> December 2019
Submission of full paper for review	31 <sup>st</sup> January 2020
Closing of early bird registration	31 <sup>st</sup> March 2020
Normal registration starts	1 <sup>st</sup> April 2020
Conference and Workshop Dates	25 <sup>th</sup> to 27 <sup>th</sup> May 2020
All manuscript reviews due	25 <sup>th</sup> May 2020
Deadline for submission of revised manuscript	30 <sup>th</sup> June 2020
Release of Conference Proceedings	1 <sup>st</sup> October 2020

## **REGISTRATION**

Registration fees include admission to the conference, conference pack and social events.

For special food requirements, please contact [efm2t@biust.ac.bw](mailto:efm2t@biust.ac.bw) on or before 1<sup>st</sup> May 2020.

<b>Participant Type</b>	<b>Cost (BWP or equivalent in US\$)</b>
Early Bird rate	BWP4000
Normal Registration	BWP5000
Student Registration	BWP1500
Exhibition Space with table (one participant)	BWP3000
Workshop participant	BWP3000
1 day registration	BWP2000
2 day registration	BWP4000

Note: Contact the organisers at [efm2t@biust.ac.bw](mailto:efm2t@biust.ac.bw) for details regarding online presentations.

### **INTERNATIONAL SCIENTIFIC COMMITTEE**

- Prof. Vitaliy Mezhujev, University of Malaysia Pahang, Pahang, Malaysia
- Dr. Abu Zaharin Bin Ahmad, University Malaysia Pahang, Pahang, Malaysia
- Dr. Monnamme Tlotleng, University of Johannesburg, Johannesburg, South Africa
- Dr. Sunday Lawal, Federal University of Technology, Minna, Nigeria
- Dr. Omonigho Otanocha, Federal University of Petroleum Resources Effurun, Nigeria
- Professor J Segawa, University of Botswana (UB), Gaborone, Botswana.
- Professor J. Katende, Namibia University of Science and Technology (NUST), Windhoek, Namibia
- Professor F.L. Inambao, University of Kwazulu Natal, Durban, South Africa
- Dr. A. Botes, Materials Science & Manufacturing Unit, CSIR, Pretoria, South Africa
- Dr. L. Tshabalala, Laser Enabled Manufacturing Unit, CSIR/NLC, Pretoria, South Africa
- Prof. Oliver Damm, Stellenbosch University, Stellenbosch, South Africa
- Prof. Bernard Ikua, Jomo Kenyatta University of Agriculture & Technology, Nairobi, Kenya
- Dr. S. Dabbashi, Sabratha University, Sabratha, Lybia
- Dr. K. Kantyurosuke, Cape Peninsula University of Technology, Cape Town, South Africa.

### **KEYNOTE SPEAKER**

- Prof. Akaehomen Akii Ibhádode, Vice Chancellor, Federal University of Petroleum Resources Effurun, Nigeria

### **PLENARY SPEAKERS**

- Prof. K. Mpofu, Tshwane University Technology (TUT), Pretoria, South Africa
- Prof. H. Musiyarira, National University of Science & Technology (NUST), Windhoek, Namibia
- Prof. S. L. Pityana, Laser Enabled Manufacturing Unit/Council for Scientific & Industrial Research (LEM/CSIR), Pretoria, South Africa
- Mr Mbangwa, Debswana, Jwaneng, Botswana

### **LOCAL ORGANIZING COMMITTEE**

- Prof. E. O. Olakanmi (Conference Chair)
- Dr. O. Matsebe (Conference Co-Chair & Chairman, Technical sub-committee)
- Ms M. T. Rapoo (Conference Secretary)
- Dr. Z. Tjiparuro, (Technical sub-committee member)
- Dr. T. Bader (Technical sub-committee member)
- Dr. P. Oladijo (Technical sub-committee member)
- Dr. S. Ravi (Technical sub-committee member)
- Mr. G. Moshapa (Chair, Finance sub-committee)
- Mr. G. G. Kgopana (Chair, Publicity sub-committee)
- Ms P. Khuwa (Chair, Logistics sub-committee)
- Mr T. S. Ntebogang (Chair, ICT sub-committee)
- Dr. S. Tirivarombo
- Mr C. Bontsi (Logistics sub-committee)

### **ADVISOR & CONFERENCE HOST**

Prof. M.T. Oladiran HoD, Mechanical, Energy & Industrial Engineering

### **CHIEF HOST**

Prof. J. Chuma, Dean, Faculty of Engineering & Technology, Botswana International University of Science & Technology

### **SPONSORS**

Botswana International University of Science and Technology

### **CONFERENCE LANGUAGE**

English is the official conference language in which all papers should be prepared.

### **CONTACT INFORMATION**

Conference Secretariat: Ms M. T. Rapoo

Email [efm2t@biust.ac.bw](mailto:efm2t@biust.ac.bw)

Telephone: +2674931826

Conference website: <https://www.biustmeieconf.com/>