

CORRESPONDENCE ADDRESS

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OFFICIAL LANGUAGE

English will be the official language of the Conference

LOCAL ORGANISING COMMITTEE

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Program coordinator: Dr. Nicolaas Luwes
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Dr. Ahad Ali	Lawrence Technological University, West Ten Mile Road, Southfield, USA
Prof. Alfred Ngowi	Executive Member, AEDC, Southern Africa

2nd CALL FOR PAPERS



6TH AFRICAN ENGINEERING EDUCATION ASSOCIATION INTERNATIONAL CONFERENCE (AEEA2016)

& 2ND SUMMIT OF THE AFRICAN ENGINEERING DEANS' COUNCIL (AEDC)

Theme:

Challenges of Engineering Education in the 21st Century: Creating Sustainable Solutions

An invitation to submit full papers for review and attend the Conference at

Central University of Technology, CUT Bloemfontein
Main Campus, Free State, South Africa

20th–22nd September 2016

Organized by:

AFRICAN ENGINEERING EDUCATION ASSOCIATION (AEEA)

in partnership with

Central University of Technology, FS
Main Campus, Bloemfontein, Free State, South Africa

Conference Website will be available from 2016:

<http://www.cut.ac.za/aeaa/>

REGISTER YOUR INTEREST TODAY!

OBJECTIVES OF THE CONFERENCE

This conference is to:

- Provide a unique opportunity for researchers and graduate students to network and embrace intellectual development.
- Provide a forum for educators, professional organizations and industry leaders to discuss common problems in engineering education.
- Examine approaches to teaching, learning and curriculum structures that would advance engineering education in resource-constrained environments.
- Foster exchange of information, links, and collaboration between member nations on the one hand and the rest of the world on the other hand.
- Address issues relating to challenges in engineering education globally.
- Workshops are to be mounted to transfer skills to the participants.

SCOPE OF THE CONFERENCE AND WORKSHOP

The scope of the conference will be broad, covering all aspects of engineering education, while the workshops will focus on development of academic staff and institutions. The increased level of globalization of engineering education has provided academic institutions with new opportunities for cooperation in the international arena by building new and expanding existing, regional and global networks for engineering education. The conference contributions will focus on the following three sub-themes:

1. GENERAL ISSUES IN ENGINEERING EDUCATION

- Assessment of engineering education
- Sustainable curriculum design
- Effective methods of training engineering personnel
- Innovations in engineering education
- ICT in engineering education
- Education and industrial training
- Engineering education for sustainable development
- New paradigms in engineering education
- Funding of engineering education
- Project or problem based learning - (Case studies)
- E-learning challenges and possible solutions
- Infrastructures for engineering education
- Scholarship of teaching and learning

2. ACADEMIA/INDUSTRY COLLABORATION IN ENGINEERING EDUCATION

- Industry requirements of engineering education
- Social and philosophical aspects of engineering education and its impacts on the society
- Academia/industry interaction programs
- Management of engineering education in tertiary institutions

3. INTERNATIONAL COLLABORATION IN ENGINEERING EDUCATION

- Transfer and sharing of experience in engineering education
- Recognition of foreign qualifications
- Accreditation systems for engineering programmes
- International mobility of academic staff and students
- Technology linkage between developed and developing countries
- Regional collaboration in engineering manpower development
- Impact of globalization on engineering education in developing countries

It is anticipated that the proposed papers will present findings describing the effectiveness of new approaches to engineering education and industrial training. The implementation of special programs, methods and modern approaches to engineering education and industrial training are of particular relevance to the conference.

CALL FOR FULL PAPERS

Prospective authors are invited to submit full papers of between 4500 and 5000 words using a double column format (10 Font Size, Times New Roman, IEEE referencing standard) to the Chairman of the AEEA2016 Organizing Committee using the following email address:

aeaa2016@cut.ac.za (Please also copy your submissions to aeaa2k16@gmail.com as a backup)

Full papers must be submitted in WORD format to facilitate the blind-review process.

Intending Authors should note the following deadlines:

Full paper submission (Extended dates):	30 March, 2016
Reviewer feedback:	30 April, 2016
Early bird registration:	30 May, 2016
Final paper submission:	30 June, 2016

Updates on the conference can be viewed on the conference website.

REGISTRATION

The registration fees are as follows:

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|----------------------------------|-------|
| • Early-bird fee (30 May 2016) | \$230 |
| • Author fee (30 May 2016) | \$230 |
| • Student fee (30 May 2016) | \$100 |
| • Normal fee (after 1 June 2016) | \$300 |

This will cover the cost of the conference proceedings, welcome reception and attendance at the conference dinner. Early registration is encouraged. Only papers of Authors who have registered will be published in the conference proceedings.

THE VENUE:

The Conference will be held at the Main Campus of the Central University of Technology, Bloemfontein, Free State, South Africa.

ACCOMMODATION

Accommodation can be secured from the listed places for participants that desire to be accommodated within or around the University. A list of these places will be placed on the conference website during 2016.

Conference Proceedings

All peer-reviewed accepted papers will be published as proceedings of the conference with an ISSN number.

Confirmed Key Note Speakers

- Prof. Erik De Graff from the European Journal of Engineering Education will present his views regarding the challenges and hurdles of publishing in Engineering Education.
- Prof. Yacob Astatke from Morgan State University will present his views on the use of educational technology to improve teaching and learning in Engineering
- Prof. Jian Lin from Tsinghua University, Beijing will present a Plan for Educating and Training Outstanding Engineers in the 21st Century

Workshops

A number of workshops and student activities have been planned for the first day of the conference. Please visit the conference website as updates will be posted there!

Student grants

A number of grants will be made available to students that will cover the registration fee and accommodation in Bloemfontein. These grants will be awarded based on the merit of the student papers.