



MININFRA



2018 Engineering Week And National Conference

Organized by

The Institution of Engineers Rwanda

in collaboration with

The Ministry of Infrastructure

And

Eastern African Federation of Engineering Organizations (EAFEO)

Dates: 19th - 25th August 2018

Venue: Intare Convention Arena



**Theme: Engineering in the Economic
Transformation of Rwanda**

1. Background

The Institution of Engineers Rwanda (IER) was established under the law n°26/2012 of 29/06/2012 with an overall mandate of regulating all those practicing engineering profession in the country to ensure that engineering services delivered conform to and are in compliance with established engineering standards of service delivery and best practices. The Institution also has a mandate of raising awareness of engineering profession in the country to ensure that its importance and value in the Country's Socio-Economic development process is well understood and appreciated at all levels of Rwandan Society. Another key mandate of the Institution is that of enhancing technical capacities and professional competencies of its members, to enable them to become more competent and competitive in the national, regional and international engineering job markets.

In a quest to participate in the implementation of the Country's infrastructure development agenda, the Institution of Engineers Rwanda in collaboration with the Ministry of Infrastructure is organizing the 2018 Engineering Week and National Conference to be held from 19th to 25th August 2018. The National Conference will be organized with linkages of Eastern African Federation of Engineering Organizations (EAFEO) and Federation of Africa Engineering Organizations (FAEO). It is expected to attract over 500 participants from across the Country, regional engineering Institutions and beyond and it will be an excellent opportunity for discussion, dialogue, planning and strategizing to the engineering fraternity in the Country and beyond.

The theme of the conference is "**Engineering in the Economic Transformation of Rwanda**". The Conference shall avail an opportunity of identifying implementable infrastructure projects and those in pipeline and the role of practitioners in the engineering sector to actively participate in the implementation of those projects, thus supporting rapid economic transformation, enhancing employment creation and inspiring actions towards positive change. Speakers will be drawn from various policy making Institutions, academia, built environment, ICT and Industry and it will be a platform to bridge gaps between policy makers, sectors, disciplines, practitioners and researchers.

2. Objectives of the Engineering Week and National Conference

Specifically, the main objectives of the Engineering Week and National Conference include the following;

- i. Bringing together the role players in the engineering profession to discuss the available opportunities, challenges and to recommend applicable solutions
- ii. To raise awareness of the engineering profession in the Country to ensure that its importance and value in the Country's socio-economic development process is well understood and appreciated at all levels of the Rwandan society.
- iii. Educating the youth and the general public about engineering through outreach activities such as public awareness events, career guidance, mentoring activities and University events.
- iv. Encouraging students and most especially girls to study engineering by supplementing STEM curriculum with practical engineering applications.
- v. Sharing of experiences & best practices

3. Sub-themes:

1. Energy
2. Engineering Promoting made in Rwanda initiative
3. Transportation
4. Water supply and sanitation
5. Women in Engineering (WINE)
6. ICT applications in Engineering
7. Internet of Things
8. Smart and green urbanisation
9. Rural settlement: Integrated Development Project (IDP) Concept in Rwanda
10. Disaster Management
11. Entrepreneurship in Engineering

4. Expected Participants

- Engineering professionals
- Development partners
- Academia
- Policy makers
- Public and Private Institutions
- Civil Society Organisations

5. Expected Output

- The Institution will have increased awareness on the role and contribution of engineering profession in the economic transformation of the Country.
- Defined practical solutions to overcome the identified challenges that impede practitioners in the engineering profession to contribute to the implementation of the National Strategy for Transformation (NSTI) and the Sustainable Development Goals (SDGs).
- Young girls in secondary schools will be inspired to join the engineering profession.

6. Expected Key stakeholders

- i. Ministry of Infrastructure and its agencies
- ii. Ministry of Education and its agencies
- iii. Ministry of Information Technology & Communications and its agencies
- iv. Ministry of Commerce and Industry and its agencies
- v. Ministry of Local Government and its agencies
- vi. Ministry of Environment and its agencies
- vii. Ministry of Disaster Management and Refugees
- viii. Rwanda Utilities Regulatory Authority (RURA)
- ix. Private Sector
- x. Civil Society Organisations
- xi. Development Partners