SIERRA LEONE INSTITUTION OF ENGINEERS
&
PROFESSIONAL ENGINEERS REGISTRATION COUNCIL

Biennial Conference 2018

THEME:

THE ROLE OF INFORMATION AND COMMUNICATION TECHNOLOGY IN SUSTAINABLE NATIONAL DEVELOPMENT

CALL FOR PAPERS

The Sierra Leone Institution of Engineers (SLIE) will be hosting its Biennial Conference in Freetown from the 27th June – 29th June 2018. The Theme for the Conference is: **The Role of Information and Communication Technology in Sustainable National Development**.

The rationale or raison d'etre of this biennial conference's theme is to provide a forum for the engineering profession in Africa to take a hard look at how innovation and ICT can position the continent and its engineering solutions and improve its place in the global industry.

The conference will offer a platform and an opportunity to exchange ideas and learn lessons from researchers, practitioners, and academia within and outside Africa on the role ICT can play in national development.

Questions to be addressed include though not limited to the following:

- How can Africa position itself on the global industry in automation of engineering processes, ease of communication, e-learning and active learning techniques to improve education even in rural settings?
- How can Africa improve its ICT education and training from primary to the tertiary institutions?
- How can contract management be improved in engineering projects while ensuring IT security?
- Are financial institutions in Africa ready to embrace a crypto-currency?
- What does it mean for engineering procurement?
- What is the future of ICT infrastructure in Africa?
- Are countries willing to make the necessary investment in the sector?

These can only occur with strong ICT Infrastructure, improved internet connectivity and enterprise software provisioning.

The Conference will aim to evaluate how we can improve the training of ICT professionals, harness existing and emerging ICT technologies and expand and align our infrastructure to meet the needs of the changing industry in this new era

The SLIE hereby kindly invites you to present a paper on any of the subthemes below:

Possible Sub-themes
- Automating Engineering processes
- E-Engineering or crowd-sourcing: Can it work for Africa?
- Cryptocurrency: What it means for Engineering contracts
- Cyber Security
- Benchmarking Sierra Leone's ICT Policy
- ICT Industry Regulation
- Geographic Information Systems: How it can help African countries in Technical works and disasters
- The Open Ecosystem (Open Education, Open Access, Open data, Open Government, Open Source Software, etc): A friend or foe to academic scholarship?
- e-Learning: Using modern techniques for Engineering Education
- Future of Telecommunications in Africa

For further information, please visit our website at *www.slie-sl.org* or visit our offices at Government Compound, New England, Freetown

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Format of Papers for Conference Proceedings

Papers submitted for presentation at the Conference of The Sierra Leone Institution of Engineers (SLIE) will be published in the Conference Proceedings.

In this regard authors are notified of the following format of the papers to expedite the collation and printing of the Proceedings in time for the start of the Conference.

Medium

All papers should be in electronic form and sent as attachments to:

The Executive Secretary
Sierra Leone Institution of Engineers
Email: *execsecretary@slie-sl.org*
slie1990@yahoo.co.uk

Copy: The Editor
Email: *mohalpkar@gmail.com*

Format

- Articles should be written for A4 printing, using Microsoft Word.
- A two-column format should be used with the following margins:
  - o Left Margin - 3.81 cm
  - o Right Margin - 2.54 cm
  - o Top Margin - 3.81 cm
  - o Bottom Margin - 3.81 cm

- Font size - 10 points
- Font type - Times Roman
- Maximum number of pages including appendices and references - 12 pages.
- Use single-line spacing NOT double-line spacing.
- The text should be fully justified.
- Leave 1 line space between paragraphs.
- The synopsis / Abstract (**maximum length 150 words**) should appear at the beginning of the paper, followed by two line spacing.

At the top of the article the following format for the title should be adopted:

Title of Paper
Author(s)
Author(s) Profile
Email Address

Please note that papers will be presented during the Conference using Microsoft PowerPoint. A maximum presentation time will be **20 minutes** followed by general discussions. This however may vary depending on the number of papers received for a given session.

10 Jan. 2018 Call for papers opens

16 Mar. 2018 All abstracts must be submitted

30 Apr. 2018 All full papers are due

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