

Call for Papers/Summaries

The **African Youth Nuclear Summit – AYNS** is an international conference under the auspices of the **African Young Generation in Nuclear (AYGN) and Kenyan Young Generation in Nuclear (KYGN)**, with full continental and international support from nuclear and nuclear related organizations.

KYGN website: www.kygn-network.net

The **Maiden edition of the intercontinental conference, AYNS 2017, with the theme: “Nuclear for a sustainable future”**, will provide a forum for presentation and discussion of scientific works covering theories and methods in the field of nuclear energy, policy, radiation, applications of nuclear technology, manpower development, new build, maintenance and reliability, and their application to a wide range of industrial, civil and social sectors and problem areas. AYNS 2017 will also be an opportunity for researchers and practitioners, academics, engineers and various levels of students to meet, exchange ideas and gain insights from each other.

ABSTRACTS AND PAPERS, PROCEEDINGS AND PUBLICATION

Authors are invited to submit 2 pages (max. four) summaries using the predefined abstract template file. The submissions will be reviewed.

Technical program committee will review the abstracts and inform the authors about the acceptance. The full length papers have to be submitted using the paper template file. A peer review of the papers will be performed and accepted papers will be published in indexed Proceedings of AYNS2017. Extended versions of selected papers will be submitted to a special issue of scientific journal.

Technical Tracks

- T01. Atoms for development: Meeting human needs
- T02. Nuclear safety and security
- T03. Radioactive waste management
- T04. Operation and Maintenance of NPPs
- T05. Economics of nuclear power
- T06. Stakeholder engagement
- T07. Human Factors and Human Reliability
- T08. Economic Analysis in Risk Management
- T09. Foundational Issues
- T10. Other related areas

Workshops

- W01. Front-end of the Fuel Cycle and non-proliferation
- W02. Innovative approaches to the development of nuclear energy
- W03. Radioactive waste management
- W04. Best practices in radiotherapy
- W05. Application of radio-tracers in industry
- W06. Development and sustainability of local YGNs (Mentorship)
- W07. Training, Education and Nuclear Knowledge management

Plenary Sessions

- PL01. Nuclear Powering Africa
- PL02. Radiation protection and safety culture
- PL03. Application of nuclear science and technology for social and economic development

Panel Sessions

- PS01. Energy for the future
- PS02. Nuclear Politics and Economics, Communication, and Social Acceptance
- PS03. Occupational radiation protection
- PS04. Environmental monitoring, emergency preparedness and response
- PS05. Nuclear in health
- PS06. Atoms for food and nutrition