



Vaal University of Technology

Your world to a better future



Environment, materials and green technology conference 2016

24-25th November 2016 - VUT Southern Gauteng Science and Technology Park, Sebokeng

CALL FOR ABSTRACTS

Theme: Global Environmental Challenges and Emerging Materials and Technologies

The global technological advancement has profoundly changed the quality of life in recent years. The changes are felt in all spheres of life including fields like medicine, engineering, communication, science and socio-economics. Technology has generally changed the way we conduct business and has come with many challenges such as environmental pollution and sustainable utilization of natural resources. One of the key resource that has attracted greatest attention at all levels of human life is water.

The principles and practices of current water and environmental management are well documented and have adjusted fairly well to the advances in technology, institutional privileges and public penchant for modernity, in the present world. However, the gap between water resources availability and needs grows relentlessly in the developing world. Apart from dysfunctional institutions, climate change coupled with population growth and the accompanying attributes aggravates existing inadequate delivery systems.

The global increase in population growth puts pressure on other natural resources, which is a challenge that is increasing receiving attention from both the developed and developing world with a view to finding remedial actions. In this context, new materials and methods are being developed using technologies such as renewable energy, nano-technology and waste beneficiation. In many cases, the successful development of such materials and processes is realized through modelling and simulation of different phenomena. If such action is taken within the context of green technology, it results in sustainable development.

Conference Subthemes

- Climate change;
- The science of new materials;
- Simulation and modelling;
- Water and wastewater management;
- Solid waste management and beneficiation;

- E-waste;
- Engineering and technology education for emerging challenges;
- Green technology;
- Renewable energy;
- Related topics

Abstract Format

Applicants should follow the instructions closely:

- Abstract must not be more than **350 words** (excluding Title, Authors and Institutions) in **MS Word**
- Abstract must be typed in single spacing, be clear and legible
- Abstract must be submitted in English
- Abstract title must be in **boldface, capital letters each word and centered**
- Abstract font must be **Arial 12** with **A4** set up margins
- Five key words must be included, arranged on alphabetical order

Abstract must include the following information:

- **Title, Author (s), Institution**
- Name of Abstract Presenter should be **underlined (Please do not underline co-authors)**
- Institutional affiliations and city for all authors

Abstract submission

Abstracts should be submitted electronically to Res-crew@vut.ac.za by **Friday 23rd September 2016**.

Abstract Acceptance

Abstracts will be reviewed by a reviewer panel. All those who submitted abstracts by the due date will be notified by **30th September 2016**.

Criteria for selection include correspondence to the Symposium themes, originality, project/research status, technical and/or scientific content, benefits, significance, appropriate case-studies, and quality.

Authors will be required to submit the final paper by **20th October 2016** upon abstract acceptance. The papers will be peer reviewed. All final papers selected and submitted will be included in the Symposium Proceedings (soft copies) with an ISBN details.

REGISTRATION FEES

Delegate/Research scholar	R 500
Student	R 300

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