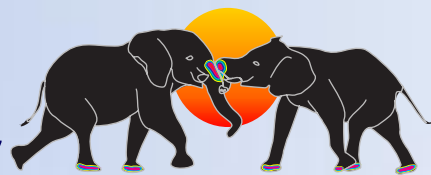
 **MECA SENS 2017**
SKUKUZA, SOUTH AFRICA, 19-21 SEPTEMBER 2017



The 9th International Conference on Mechanical Stress Evaluation by Neutron and Synchrotron Radiation
"Stress School" and visit to the SAFARI-1 research reactor



Hosted by the South African Nuclear Energy Corporation (Necsa) SOC Limited
In cooperation with the International Atomic Energy Agency



IAEA
International Atomic Energy Agency
Atoms for Peace

Manuscripts to be peer-reviewed and published in a topical international journal

Conference topics

- Stress evaluation using neutrons, synchrotron radiation and X-rays
- Development of measurement methods and instrumentation
- Material processing with relation to residual stresses
- The influence of residual stresses on physical and mechanical properties of materials and components
- Measurement and assessment of residual microstresses and intergranular stresses
- Residual strains and stresses in complex materials, e.g. multiphase materials and biomaterials
- Residual stresses in thin films and microcomponents
- Industrial applications of residual stress analyses using neutrons, synchrotron radiation and X-rays
- Complementary techniques for residual stress measurements, e.g. mechanical methods vs. diffraction
- Others

Important dates

- 01/02/2017 Call for abstracts
- 15/03/2017 Abstract submission closes; Expression of interest for Stress School and SAFARI-1 visit
- 15/04/2017 Abstract acceptance notification
- 15/05/2017 Early bird registration closes
- 01/08/2017 Regular registration closes
- 01/09/2017 Manuscript submission closes
- 18/09/2017 Stress School
- 19 – 21/09/2017 MECA SENS 2017
- 22/09/2017 SAFARI-1 Research Reactor visit

Fees

- Scholarships may be available for participation by African students
- Early Bird: R 7600
- Regular: R 8600
- Late registration: R 10600
- Stress School: R 2600

Estimation of related costs

- Local travel: R 2600
- Accommodation: R 1205/night (Sharing options available)

Venue

Skukuza Conference Centre, Kruger National Park



Site visit

SAFARI-1 Research reactor, Necsa, Pelindaba



Contact information

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