



NELSON MANDELA
UNIVERSITY



ANNUAL CONFERENCE OF THE SOUTH AFRICAN INSTITUTE OF PHYSICS (SAIP 2022)



Date:
4-8 July 2022

100 years
of Physics in Africa
Past, Present and
Future



Gqeberha
formerly Port Elizabeth

This year, in conjunction with international IUPAP 100 and IYBSSD celebrations, the SAIP is celebrating 100 Years of Physics in Africa: Past, Present and Future! As part of these celebrations, the SAIP annual conference (SAIP 2022), to be held virtually in July, will be dedicated to showcasing the work of physics graduates from across the continent as they make invaluable contributions to industry and towards achieving the sustainable development goals. The SAIP will also be honouring our past colleagues who laid the foundations for Physics in Africa.

FIND OUT MORE

[Conference website](#)
[IYBSSD 2022 website](#)
[IUPAP 100 website](#)



SUBMIT AN ABSTRACT

Please visit the [conference website](#) for abstract submission deadlines and other conference-related information. Accepted abstracts will be allocated either an oral (facilitated via [Zoom](#)) or poster (facilitated via [Gather](#)) presentation slot. The conference tracks are as follows:

- Track A - Physics of Condensed Matter and Materials
- Track B - Nuclear, Particle and Radiation Physics
- Track C - Photonics
- Track D - Astrophysics and Space Science
- Track E - Physics for Development, Education and Outreach
- Track F - Applied Physics
- Track G - Theoretical and Computational Physics

PHYSICS IN INDUSTRY DAY

Calling all Physics graduates! If you are a physics graduate working in industry please consider participating in the Physics in Industry Day forum which will form part of the SAIP 2022 conference in July. Physics graduates are an immense resource of experience and potential collaboration. The Industry Day forum aims to synergistically tap into this resource by providing a platform for stimulating knowledge transfer and collaboration between industry and academic partners. We invite Physics graduates active (or retired) in all areas of industry to share their working experience and projects, their technical achievements, their business start-ups and business goals, their experiences in workplace challenges, entrepreneurship, economic realities, and how their Physics background integrated with these aspects. The intention is to inspire and equip the physics community to use their skills in industry or to create a start-up company. The intention is also to connect industry graduates with potential academic collaborators who can support their R&D needs. If you are interested in participating in the Industry Day forum, please indicate your willingness by completing the "Expression of interest form" below. Participation will involve giving a live or pre-recorded presentation and participating in a live Q&A session. Participation is free for presenting speakers.

Expression of interest form deadline 15 April 2022: [Click here](#)
For further enquiries, please email: Manny.Mathuthu@nwu.ac.za

WINTER SCHOOLS

Join us on Friday, 1 July 2022, for one of the SAIP 2022 online winter schools! Preliminary topics include:

- Biophysics in Confronting Health Challenges
- Sustainable Research: Bridging the Gap between Academia and Industry

More information to follow.

LIGHTS, CAMERA, ACTION!

SAIP 2022 Video Competition: Inviting all bright minds to celebrate the International Year of Basic Sciences for Sustainable Development (IYBSSD 2022). Groups consisting of a maximum of 4 individuals are invited to partake in the SAIP 2022 Video Competition focusing on the role of Physics in achieving the United Nations Sustainable Development Goals (SDGs). These goals include, but are not limited to: Zero Hunger; Quality Education; Gender Equality, Clean Water & Sanitation; Affordable & Clean Energy; Climate Action; Life on Land and Sea. To enter, submit a 3-5 minute video showcasing how Physics can contribute to solving any one of the SDGs.

Visit the [competition website](#) for more info on SDGs, video specifications, judging criteria, submission deadlines and prizes! For enquiries, please email: ettienne.minnaar@mandela.ac.za.

All prospective groups are required to complete the expression of interest form:

Deadline 15 April 2022. [Click here](#) to complete the form. Only one form will be accepted per group.

FOUNDERS OF PHYSICS IN AFRICA

We would not be here today if it were not for the efforts and sacrifices of those who came before us. You are invited to nominate past colleagues to be honoured in this year's celebrations. Please email the full names and affiliations of nominees together with a brief motivation summarising their role in establishing Physics in Africa (locally or on the continent as a whole). Please email nominations to lindsay.westraadt@mandela.ac.za.