

NITheCS COLLOQUIUM:

Basic Sciences for Sustainable Development: a Global Perspective and a Year of Celebrations

Prof Sandro Scandolo (Abdus Salam International Centre for Theoretical Physics)

Monday, 7 November 2022 | 16h00 – 17h00 SAST

This event aligns with a topic of the International Year of Basic Science for Sustainable Development

ABSTRACT

The United Nations General Assembly proclaimed 2022 as the International Year of Basic Sciences for Sustainable Development (IYBSSD). In a planet torn apart by conflicts and inequalities and on the verge of an environmental crisis, basic science is emerging as a universal language and a powerful engine of sustainable development. Basic science is intrinsically transnational and research collaborations are expanding thanks to the establishment of large international scientific infrastructures and other global initiatives.

I will discuss the role that basic sciences, and especially physics, can have on sustainable development and describe global initiatives that support these endeavours. These include those of the IYBSSD's leading organisation, the International Union of Pure and Applied Physics (IUPAP), and those of my own organisation, ICTP.

BIOGRAPHY

Prof Sandro Scandolo coordinates the Research Division of the Abdus Salam International Centre for Theoretical Physics (ICTP) in Trieste, Italy. He is also the Deputy Secretary General of the International Union of Pure and Applied Physics (IUPAP).

He was elected Fellow of the American Physical Society in 2016.

He is an expert in the computational modelling of materials and combines his research activity with initiatives to foster the development of basic science in the developing world.

He has organised more than 40 conferences and advanced schools in Trieste, as well as in several African countries.



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