



European Organisation for Nuclear Research (CERN)

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CERN-India Collaboration Perspectives



Abstract:

- Founded in 1954, CERN represents one of the first attempts of European co-operation amongst its Member States and has now become one of the most successful examples of international co-operation and the world's largest laboratory for particle physics research. Each year, CERN hosts more than 14 000 scientists and engineers from around the world who are involved in CERN's experiments, engineering and technology projects or theoretical physics activities. The presentation will introduce the core science studied, the innovation in technology, and the advanced scientific and technical education and training that CERN offers within a truly international collaborative environment. The presentation will highlight the many contributions of India to CERN and the perspectives to strengthening the co-operation in the future.

About the Speaker:

- Emmanuel Tsesmelis is an experimental particle physicist with a career spanning scientific research, academic teaching, science communication, international relations and management at CERN and at several universities. His scientific research includes the search for the charged Higgs boson at the UA2 experiment at CERN and the study of neutrino properties at CERN's neutrino facilities. In 1998 he joined the CMS Collaboration at CERN's Large Hadron Collider (LHC), one of the two experiments that discovered the Higgs boson in 2012, and for the period 2005-2008 he was Head of the LHC Experimental Areas. He has served over many years on CERN scientific committees and was a member of the CERN Directorate Office during the period 2009-2013. Since 2004 he has been providing strategic advice to CERN Directors-General on international relations and for the period 2013-2015 he was Deputy Head of International Relations. Today, he is a Principal Physicist and Head of Associate Member and Non-Member State Relations in CERN's Directorate for International Relations.

