Global Scientific Cooperation builds bridges between Nations

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Abstract: The last few decades have witnessed the creation of Big Data that has revolutionised the knowledge outcomes within and beyond multi-disciplinary science, enabling novel highly efficient ways to plan, conduct, disseminate and assess research. Global research projects demonstrate what humankind is able to achieve the most challenging goals when collaborating together coherently towards a common target. Science and the scientific knowledge transfer dissemination facilitate the dialogue among cultures and are the key instrument in fostering peaceful relations between nations. The Muslim world has the ability to use science for the benefit of its people. Therefore, it is vital for the contemporary Muslim world to strengthen its commitment to the modern and global scientific projects, contributing to long-term sustainable training through committed investments in research and development. International associations are a great common denominator in the culture of scientific activities. Particle physics field looks at the most fundamental structure of the universe – the particles that are its most basic building blocks, and the ways they interact with each other. The field has always been an early adopter of new technologies, applying them in the state-of-the-art discovery machines and experiments that produce floods of Big Data that can be analysed anytime and anywhere using shared and interlinked of heterogeneous research data via large digital research infrastructures. The talk will address the role of such global research projects in science, including Big Science era, to carrying the light of learning through global collaboration, in particular at CERN, producing the best scientists and innovators the world has ever seen. What can be achieved from such global science endeavours? The talk will describe the fascinating mixture of science bridging cultures and nations.

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Zoom link

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