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“SESAME Synchrotron: the bright light of the Middle East”

Tuesday, 19 November 2024 14:00 (30 minutes)

The Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME) is the first synchrotron facility in the Middle East. Its current Members are Cyprus, Egypt, Iran, Israel, Jordan, Pakistan, Palestine and Türkiye. With Brazil, Canada, China (People’s Republic of), the European Organization for Nuclear Research (CERN), the European Union (EU), France, Germany, Greece, Italy, Japan, Kuwait, Portugal, Russian Federation, Spain, Sweden, Switzerland, the United Arab Emirates, the United Kingdom, and the United States of America are observers.

SESAME seeks establishing the Excellency of Science and technology, human capacity building, brain-drain reversal, gender-gap enrichment, and a bridge to understanding in such a tempestuous region. In conjunction with this, the tangible vision that Africa must receive its analogous situation as a leader within the global scientific arenas becomes more evident. The strategic plan is to launch a world-class large scale research infrastructure, heal the brain-drain challenge, address both local and regional concerns, as well as being a vehicle for economy.

In this regard, SESAME is considered as a model in action for the African community. A Memorandum of Understanding has been signed in 2020 with the AfLS Foundation which intrinsically seeks instituting a synchrotron facility in Africa being the only continent that is left behind without such an advanced technology.

The presentation will explore SESAME achievements and challenges, and will emphasize the significant joint efforts between SESAME and the AfLS Foundation Up-to-Date.

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