

# Moossa J. Arman Physics Colloquium: Science and Innovation

*This colloquium is made possible by a generous gift from the Arman Family in honor of Dr. Moossa J. Arman.*

Thursday, March 31, 2022

Lecture at 5:30 p.m.

UCLA Faculty Club (formerly Faculty Center)

\* Reception at 4:30 p.m. on the patio

## Sesame: a Source of Light in the Middle East.



**Eliezer Rabinovici**

Racah Institute of Physics, Hebrew University  
of Jerusalem  
Visiting Louis Michel Professor at the IHES  
President of the CERN Council

SESAME is a cooperative venture by scientists and governments of the Middle East set up on the model of CERN (European Organization for Nuclear Research). Current members of SESAME are Cyprus, Egypt, Iran, Israel, Jordan, Pakistan, the Palestinian Authority, and Turkey. It is a Synchrotron Light source and it is being used by researchers to study a large variety of scientific questions. It has been constructed in Jordan and has been operating since 2018. I will describe from a very personal viewpoint how this project has come into being starting in 1995. The story will move from the CERN cafeteria, crossing the Sinai desert to the completion of a high quality scientific light source in Jordan. It is also the first green light source.

Eliezer Rabinovici was born in Jerusalem in 1946, he graduated from the Hebrew University Jerusalem and did his PhD studies at the Weizmann Institute of Science in 1974. He was at Fermilab and LBL for his postdoctoral fellowship before joining the faculty of the Hebrew University, Jerusalem in 1977. His research is concentrated on the phase structure of matter, gauge theories and gravity. The tools he uses are Quantum Field Theory and String Theory. He has made several seminal contributions in those areas. He held several visiting professor chairs in the USA and Europe. Currently he is also a visiting Louis Michel Professor at the IHES. He was one of the founders of SESAME for which he was co-awarded the AAAS Science for Diplomacy prize. He serves as Vice President of the Sesame Council and served as Vice President of the CERN Council. In 2021 he was elected to be the President of the CERN Council.

*Per UCLA campus policy, guests must show ID along with full proof of vaccination or a negative COVID test within 72 hours of being on campus. Guests will also be required to wear a mask indoors.*

Please RSVP: