

Session Program

28 September 2026 to 2 October 2026

AQTIVATE Conference

ESR

Sun Hall Hotel
Athinon Avenue 7, 6023 Larnaca, Cyprus

Monday 28 September

15:00

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

15:00–15:30

Rethinking Algebraic Multigrid Methods: A Relaxation-Based Perspective

Speaker

Rayan Moussa

15:30–16:00

Mass Splittings in Baryon Flavor-SU(2) Multiplets

Speaker

Christian Schneider

16:00–16:30

The nucleons generalized form factors and Mellin moments up to fourth order

Speaker

Christian Kummer

16:30

17:30

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

17:30–18:00

QM/MM-derived force fields for metalloprotein simulations in drug discovery

Speaker

Mr Sachin Shivakumar

18:00–18:30

Generalized Parton Distribution Functions of the Nucleon from Twisted Mass Fermions with Physical Pion Mass

Speaker

Gabriele Pierini

18:30

Tuesday 29 September

12:00

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

12:00–12:30

Probing techniques for disconnected quark loop estimation in Lattice QCD

Speaker

Mario Papace

12:30–13:00

Benchmarking tensor network simulations of Shor's algorithm with coherent error propagation

Speaker

Ms Asmita Datta

13:00

15:30

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

15:30–16:00

Bayesian Statistical Learning for VQE optimization

Speaker

Samuele Pedrielli

16:00–16:30

Multi-scale Data Assimilation in Turbulence

Speaker

Francesco Fossella

16:30

Thursday 1 October

12:30

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

12:30–13:00

Wetting problems using advance mesoscale modeling

Speaker

Elisa Bellantoni

13:00

15:00

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

15:00–15:30

Solving QUBO problems with tensor networks

Speaker

Rocco Barač

15:30–16:00

Enabling Biomolecular Simulations with Neural Network Potentials in GROMACS

Speaker

Lukas Müllender

16:00

17:30

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

17:30–18:00

A posteriori LES closure of buoyancy driven turbulent flows

Speaker

André Freitas

18:00

Friday 2 October

12:00

ESR

Session | **Location:** Sun Hall Hotel, Athinon Avenue 7, 6023 Larnaca, Cyprus

12:00–12:30

HPC-oriented Molecular Dynamics simulations to address challenges in systems of pharmacological relevance

Speaker

Marta Devodier

12:30–13:00

Towards Understanding Performance of Task-Based Models on Modern HPC Systems

Speaker

Shiting Long

13:00