

Session Program

28 September 2026 to 2 October 2026

AQTIVATE Conference

Invited

Sun Hall Hotel
Athinon Avenue 7, 6023 Larnaca, Cyprus

Monday 28 September

09:30

Invited

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

09:30–10:15

Future HPC and Quantum Hardware

Speaker

Thomas Lippert

10:15–11:00

TBD

Speaker

Jiali Gao

11:00

11:30

Invited

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

11:30–12:15

Quantum Information

Speaker

Sabrina Maniscalco

12:15–13:00

Biology

Speaker

Ellinor Haglund

13:00

17:00

Invited

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

17:00–17:30

Computational Biophysics of Biomolecular Activation: From WAVE Complex Variants to GPCR Dynamics

Speaker

Song Xie

17:30

Tuesday 29 September

09:30

Invited

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09:30–10:15

Machine Learning and Lattice QCD

Speaker

Jacob Friedrich Finkenrath

10:15–11:00

Physics Aware Deep Learning

Speaker

Patrick Gallinari

11:00

11:30

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11:30–12:00

Small-scale alignment and clustering of heavy inertial fibers in turbulence

Speaker

Chiara Calascibetta

12:00

15:00

Invited

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15:00–15:30

Comp. biology

Speaker

Lipi Thukral

15:30

Wednesday 30 September

09:30

Invited

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

09:30-10:15

Making quantum machine learning separations more physical

Speaker

Sofiene Jerbi

10:15-11:00

A Principled Approach to Enhanced Sampling

Speaker

MICHELE PARRINELLO

11:00

11:30

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11:30-12:15

Lattice Boltzmann Algorithms for complex fluids and complex flows

Speaker

Alessandro Gabbana

12:15-13:00

Physics HPC Lattice QCD

Speaker

Simone Bacchio

13:00

Thursday 1 October

09:30

Invited

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

09:30–10:15 **Hadron Structure**

Speaker

Gunnar Bali

10:15–11:00 **Quantum algorithms for classical fluids**

Speaker

Sauro Succi

11:00

11:30

Invited

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11:30–12:00 **Quantum Computing**

Speaker

Ilaria Siloi

12:00–12:30 **New directions in interpreting AI models**

Speaker

Andreas Demou

12:30

14:30

Invited

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14:30–15:00

Physics-constrained diffusion model for synthesis of 3D turbulent data

Speaker

Prof. Michele Buzziotti

15:00

16:30

Invited

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16:30–17:00 **Dynamics of metastable states in quantum systems**

Speaker

Luka Pavesic

17:00–17:30 **Lattice QCD**

Speaker

Antonio Evangelista

17:30

Friday 2 October

09:30

Invited

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09:30–10:15

Advances in Algebraic Multigrid Methods for PDEs

Speaker

Jacob Schroder

10:15–10:45

QM/MM MD simulations of proton-coupled transporters

Speaker

Paolo Carloni

10:45–11:30

Hamiltonian methods from Quantum Information Technologies: from Z2 String Dynamics to Continuous U(1) Electrodynamics

Speaker

Enrique Rico Ortega

11:30