CaSToRC: HPC National Competence Center
Summer 2021 Online Seminar Series

4 May **Prof. Dr. Frauke Gräter** *(Heidelberg University)*

Collagen: Rediscovering the most abundant protein of our body with HPC
(Joint EuroCC/SimEA seminar series)

18 May **Dr. Alessio Alexiadis** *(University of Birmingham)*

From Discrete Multiphysics to Deep Multiphysics: How to combine particle methods like DEM and SPH with Artificial Intelligence using the particle-neuron duality
(SimEA seminar series)

25 May **Dr. Stefan Kühn** *(The Cyprus Institute)*

Making the most out of noisy quantum computers: Strategies for circuit design and error mitigation
(EuroCC seminar series)

1 June **Dr. Jacob Finkenrath and Dr. Simone Bacchio** *(The Cyprus Institute)*

Linear Algebra, Krylov-subspace methods, and multi-grid solvers for the discovery of New Physics
(EuroCC seminar series)

15 June **Assist. Prof. Pavlos Stephanou** *(Cyprus University of Technology)*

The use of atomistic simulations to guide the derivation and verification of molecular theories
(SimEA seminar series)

29 June **Prof. Ioannis Remediakis** *(University of Crete)*

Simulations for gold nanoparticles: Electronic structure, multi-scale and data-driven approaches
(Joint EuroCC/SimEA seminar series)

13 July **Dr. Pasqua D'Ambra** *(Institute for Applied Computing)*

Algebraic MultiGrid Preconditioners for Sparse Linear Solvers at Extreme Scales on Hybrid Architectures
(EuroCC seminar series)

20 July **Dr. Alexandros Emboras** *(ETH Zürich)*

Nanoscale Memristors for Neuromorphic Computing Applications
(Joint EuroCC/SimEA seminar series)

Time: 16:00 (Cyprus time)

Zoom: https://zoom.us/j/9947402955?pwd=Um8wdTdHeStFMTM3LzNRL3l3Umc5QT09

To receive updates on these events: https://www.meetup.com/high-performance-computing-cyprus/