IPM

School of Nano Science, IPM, Tehran

Workshop on

Frontiers of MD simulation in Materials Science and Biophysics

October 3, 2020 (12 Mehr 1399)

Scope:

A one-day virtual workshop on "Frontiers of MD simulation in Materials Science and Biophysics" is planned by the IPM School of Nano Science to provide an active and instructive environment to exchange ideas among researchers who work on molecular dynamics (MD) simulation. The workshop is aimed at graduate students, postdoctoral and senior researchers from diverse backgrounds namely condensed matter physics, materials science, mechanical engineering, biophysics, computational chemistry, and polymer science. It will cover numerous areas of MD-based numerical simulations with topics like long-time MD simulations, coarse-grained modeling, and simulation of polymer chains, bulk metallic glasses, and granular materials.

Invited Speakers:

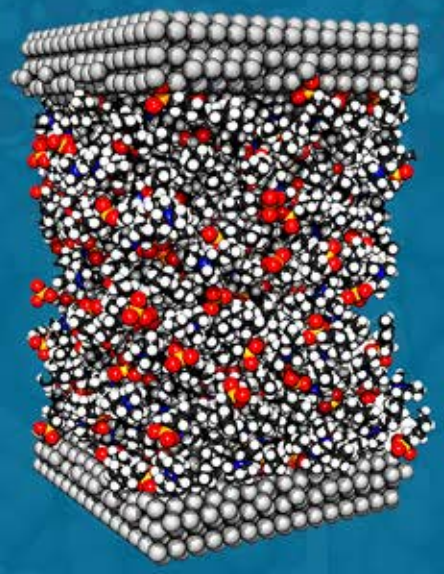
Arman Fathizadeh (University of Texas at Austin, USA)
Simulation of long-time dynamics

Mohsen Sadeghi (Freie Universität Berlin, Germany)
Faster and yet more accurate: Combining first-principle hydrodynamics and coarse-grained biomembrane modeling

Jalal Sarabadani (IPM, Iran)
Molecular dynamics simulation of polymer chains

Mohammad Reza Shabani (Saarland University, Germany)
Implementing cohesion in MD simulations of granular materials

Rouhollah Tavakoli (Sharif University of Technology, Iran)
Molecular dynamics study of atomic-level structure in bulk metallic glasses



More information may be found at:
http://nano.ipm.ac.ir/md

Registration Deadline: September 26, 2020
(5 Mehr 1399)

Organizers:

Abbas Montazeri Hedesh (KNTU & IPM)

Reza Asgari (IPM)

Telephone: 021-22835061, 021-22825050, Fax: 021-22835058
Email: nanooffice@ipm.ir