

Frontiers of MD simulation in Materials Science and Biophysics

Workshop Schedule

Saturday, October 3, 2020

	09:30-09:40	Opening & Welcome of Participants	Abbas Montazeri Hedesh (KNTU & IPM)
Session 1 Abbas Montazeri Hedesh	09:40-10:30	Simulation of long-time dynamics	Arman Fathizadeh (University of Texas at Austin, USA)
	10:30-11:15	Molecular dynamics simulation of polymer chains	Jalal Sarabadani (IPM, IRAN)
	11:15-12:00	Molecular dynamics study of atomic-level structure in bulk metallic glasses	Rouhollah Tavakoli (Sharif University of Technology, IRAN)
Break			
Session 2 Reza Asgari	13:30-14:15	Faster and yet more accurate: Combining first-principle hydrodynamics and coarse-grained biomembrane modeling	Mohsen Sadeghi (Freie Universität Berlin, Germany)
	14:15-15:00	Implementing cohesion in MD simulations of granular materials	Mohammad Reza Shabani (Saarland University, Germany)
	15:00-15:10	Workshop Closing & Highlights	Reza Asgari (IPM)