



Online Workshop on Physics and Geometry of Viruses

School of Nano Science, Institute for Research in Fundamental Sciences (IPM)

9 September 2021

<http://nano.ipm.ac.ir/wpgv/>

Time	Speaker	Title of talk
09:20-09:30		Opening remarks
09:30-10:20	Roya Zandi	Theoretical principles of viral shell assembly and self-organization
10' break		
10:30-11:20	Antonio Šiber	Crash course on motifs in structure, symmetry, and energetics of viruses (I)
20' break		
11:40-12:30	Antonio Šiber	Crash course on motifs in structure, symmetry, and energetics of viruses (II)
1h break		
13:30-14:20	Rudi Podgornik	Electrostatic interactions of capsid proteins
10' break		
14:30-15:20	Paul van der Schoot	Electrostatics made simple: Donnan equilibria across the coat protein shells of viruses and virus-like particles
20' break		
15:40-16:30	Anže Božič	Physics of droplet and airborne transmission of viruses: A brief review

✦ Times are given in IRDT (Iran Daylight Time) = UTC + 4:30 hours