

Winter HIERARCHY School on Theoretical and Experimental Techniques

Ljubljana, February 12-15, 2011

Saturday (University of Ljubljana, FMF, Jadranska 19, Lecture Halls F2 & F3)

- 8.45 - 9.00 Registration
- 9.00 - 10.00 C. Zannoni (Bologna) Atomistic approaches
- 10.00 - 10.15 Coffee break
- 10.15 - 11.15 C. Zannoni (Bologna) Atomistic approaches
- 11.15 - 12.15 M. Glaser (Boulder) Coarse-grained approaches
- 12.15 - 14.00 Lunch (Rožna hiša)
- 14.00 - 15.00 M. Glaser (Boulder) Coarse-grained approaches
- 15.00 - 15.15 Coffee break
- 15.15 - 17.15 T. Sluckin (Southampton) Phenomenological approaches
- 19.00 Dinner (Pizzeria Foculus)

Sunday

- 8.45 – 18.00 Excursion & lunch (The Škocjan caves and Piran)

Monday (University of Ljubljana, FMF, Jadranska 19, Lecture Halls F2 & F3)

- 9.00 - 10.45 G. Skačej (Ljubljana) Tutorial lecture on implementation of MC and MD approaches
- 10.45 - 11.00 Coffee break
- 11.00 - 12.45 M. Ravnik (Oxford) Tutorial lecture on implementation of phenomenological approaches
- 12.45 - 14.30 Lunch (Rožna hiša)
- 14.30 - 15.00 D. Babič (Ljubljana) Laser and Magneto-optical tweezers experiments in soft matter
- 15.00 – 15.30 I. Drevenšek Olenik (Ljubljana) Nonlinear optical experiments in soft matter
- 15.30 – 15.45 Coffee break
- 15.45 – 16.15 B. Zalar (Ljubljana) NMR experiments in soft matter
- 16.15 – 16.45 G. Cordoyiannis (Ljubljana) Calorimetric experiments in soft matter
- 19.00 Dinner (Mrak)

Tuesday (Jozef Stefan Institute, Jamova 39, different labs)

9.00 – 12.30 Presentation of different experimental techniques (Confocal and polarization microscopy, Laser and Magneto-optical Tweezers, Fluorescence spectroscopy, NMR, AFM, Nonlinear optics (SFG, SHG, DLS), Calorimetry, Dielectric spectroscopy)

or

Laboratory practice on selected experimental techniques

12.30- 14.00 Lunch (Rožna hiša)

14.00 – 17.00 Laboratory practice on selected experimental techniques

Scientific committee: S. Žumer, M. Škarabot, and I. Muševič

Organizational support: A. Berglez

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