

School on Biological Soft Matter: from molecular interactions to engineered materials

Instituto de Física Teórica - UNESP, São Paulo, Brasil

March 13 - 24, 2017



This school will compare different modern approaches to soft matter and describe up-to-date results on both fundamental and applied research. Topics on the frontier of molecular biology research such as nucleic acids and their interactions will also be discussed.

An overview of basic principles as well as sophisticated simulations will put students in contact with state-of-the-art research in these topics and allow them to build connections between different theoretical approaches and the available experimental data. This school is aimed at graduate students and researchers in the fields of statistical mechanics, soft matter, biophysics, nanobiotechnology and materials science.

There is no registration fee and limited funds are available for travel and local expenses.

Organizers:

C.P.N.Cotta (COPPE-UFRJ), **F.P. Duda** (COPPE-UFRJ), **R. Eichhorn** (NORDITA), **J.Koiller** (INMETRO), **S. Pasquali** (U. Sorbonne Paris Cité), **A.R.L.P. Ribeiro** (UNIGRANRIO), **F.L.B. da Silva** (USP-RP)

Lecturers:

Leandro Barbosa (USP-São Paulo, Brazil)	Aatto Laaksonen (Stockholm U., Sweden)
Carolina P. N. Cotta (COPPE-UFRJ, Brazil)	Jair Koiller (INMETRO, Brazil)
Tal Danino (Columbia U., USA)	Richard Murray* (Caltech, USA)
Fernando Duda (UFRJ, Brazil)	Samuela Pasquali (U. Sorbonne Paris Cité, France)
Ralf Eichhorn (NORDITA, Sweden)	Ana Rosa L. Ribeiro (UNIGRANRIO, Brazil)
Shaker Chuck Farah (IQ-USP, Brazil)	Amy Shen* (Okinawa U., Japan)
Elliot Fried* (Okinawa U., Japan)	Fernando Barroso da Silva (USP-RP, Brazil)
Hermes Gadelha (York U., UK)	Frederico W. Tavares (UFRJ, Brazil)
Greg Huber (KITP/UCSB, USA)	

*to be confirmed



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The application deadline is January 6, 2017

The online application form and more information can be found at:

www.ictp-saifr.org/softmatter2017