

20th - 26th April, 2014

RIO - BRAZIL

ORGANIZERS

Paul Chaikin - NYU, USA

Elisa Baggio Saitovitch - CBPF, Brazil

Mark Bowick - Syracuse University, USA

Isabel C. Carvalho - PUC-Rio, Brazil

SCOPE

The seventh I2CAM/FAPERJ Spring School, with a focus **dynamics and assembly of soft structures**, will be held in Rio de Janeiro from 20 - 26th April, 2013. The conference is co-funded by ICAM and FAPERJ (the state agency of Rio de Janeiro for funding research) and will be hosted by CBPF, in Rio de Janeiro. This series of schools are related to topics on Emergent Behavior in Quantum Matter, on Biological Physics and Soft Matter; the participants are supported by FAPERJ, I2CAM/NSF, CAPES and CNPq. There will be approximately three lectures per day, in the ICAM format of 60 mins talk + 30 mins discussion, following the example of previous schools. We have funding to support approximately 40 students from North and South America. Additional students, coming with their own support from other locations are also welcome, in addition to local students from universities and research centers in and around Rio de Janeiro.

LOCATION

CENTRO BRASILEIRO DE PESQUISAS FÍSICAS (CBPF - www.cbpf.br) is located in Rio de Janeiro, near to the "Sugar Loaf", one of the most famous post card of the wonderful city of Rio de Janeiro.

INVITED SPEAKERS

CORE "Primer Lectures"

Denis Bartolo (Ecole Normale Supérieure de Lyon) - Collective motion in populations of colloidal robots

M. Cristina Marchetti (Syracuse Biomaterials Institute) - Active Liquid Crystals and Collective Flocking

Jerome Bibette (Physique et Chimie Industrielles of Paris) - Growth of Microorganisms

Vincenzo Vitelli (Universiteit Leiden) - Geometry and Topology of self-assembled structures

William Irvine (University of Chicago) - Knotted fluids

Zvonimir Dogic (Brandeis University) - Active Liquid Crystals in Vitro

Mark Bowick (Syracuse University) - Shape and Structure in Soft Matter

Paul Chaikin (New York University) - Active Colloids

Antonio Martins Figueiredo Neto (Universidade de São Paulo) - Structure and nonlinear optical properties of complex fluids: liquid crystals, ferrofluids and fluids of biological interest

Specialty Lecture

José A. Miranda (UFPE) - Interfacial pattern formation with simple and not-so-simple fluids in a Hele-Shaw cell

POSTER SESSION

A good atmosphere of scientific discussion will be accompanied by cold Brazilian specialties and soft drinks.

Sponsors



http://icam-i2cam.org/index.php/conferences/detail/2013_annual_icam_conference/

WEBPAGE

Sponsors



Registration deadline: March 27th

The participants will be accommodated in a hotel located at Copacabana.

