

## **MINICOURSES**

**Jasna Brujic** (NYU, USA) *Bioinspired applications* 

**Mauro Copelli** (UFPE, Brazil) *Neuroscience* 

**Leticia Cugliandolo** (Sorbonne U., France) *Complexity / Mean-field theory* 

**Ezequiel Ferrero** (CONICET-CNEA, Argentina) *Driven Disordered Systems* 

**Eduardo Miranda** (UNICAMP, Brazil) *Disordered strongly correlated systems* 

**Anton Souslov** (U. of Cambridge, UK) *Disordered elastic materials* 

**Matthieu Wyart** (JHU, USA; on leave from EPFL) *Machine learning* 

# **INVITED SPEAKERS**

José Soares Andrade (UFC, Brazil)
Jeferson Arenzon (UFGRS, Brazil)
Vivian França (UNESP, Brazil)
Letícia Paiva (UFSJ, Brazil)
Luis A. Pugnaloni (UNLPam, Argentina)

Disorder plays a central role in the theoretical description of a rich variety of systems spanning several disciplines — soft and hard condensed matter, biology, information science and engineering. Today, there is a surplus of enthusiastic and capable students with a diverse background who are eager to receive systematic training on powerful theoretical methods and exciting recent developments in the field. One of the goals of our school is to reach a broad audience that includes students interested in complexity or bio-inspired applications, as well as information science and quantum materials. Our school will establish a common forum where theories of general interest can be learned and discussed, catalyze the nucleation of new research lines in São Paulo and Brazil, and expose students to a full breadth of intellectual opportunity in the field of disordered systems.

As a São Paulo School of Advanced Science, additional funds are available for travel and local expenses of Master's and PhD students from both South America and other continents.

Application deadline: **February 15, 2025** 



Online application and more information: **ictp-saifr.org/spsasds2025** 











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