ICTP International Centre for Theoretical Physics SAIFR South American Institute for Fundamental Research

Campus of IFT-UNESP – São Paulo, Brazil



We can all agree that a liquid that occupies 70 percent of Earth's surface and two-thirds of our body is very important. Do we already know everything about water? Water has more than 70 thermodynamic, dynamic and structural anomalies and also shows new strange behavior upon analysis of the biological or material nanostructures. For instance, at nanoconfinement, water violates the hydrodynamic equations. Since water is present everywhere. understanding how the anomalies affect different systems is relevant. In this school, we explore the water anomalies starting from the basic ideas of phase transitions and critical phenomena, and show how they can be measured from scattering experiments and simulations of the nanoscale results.

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

Application deadline: June 22, 2024

Online application and more information:

www.ictp-saifr.org/sw2024







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