

PROGRAM

Thursday - July 6, 2017

14:45-15:00 **OPENING**

Session I: Chair Giancarlo Franzese

15:00-15:30 **Arieh Ben-Naim (invited speaker)**

Hydrophobic-Hydrophilic interactions in protein folding, protein-protein association and molecular recognition

15:30-15:50 **Valentino Bianco**

Modeling proteins in water to understand folding, stability and aggregation

15:50-16:10 **Klaas Wynne**

Slow and super-slow water translational dynamics around organic and biological solutes

16:10-16:30 **Carles Calero**

The role and properties of water in the interaction of phospholipid membranes with other phospholipid membranes and ions

16:30-17:10 **COFFEE BREAK AND POSTER SESSION**

Session II: Chair Jordi Martí

17:10-17:30 **Enrique Sánchez Marcos**

The identification of the coordination geometry of metal aquaions in water: a way to understand the rare-earth contraction of aquaions

17:30-17:50 **Rocío Semino**

Proton Solvation and Dynamics in Water Acetone Solutions and Mesoscopic Aggregates

17:50-18:10 **María M. Conde**

Spontaneous NaCl-Doped Ice: Focus on the Mechanisms of Ions Inclusion

18:10-18:30 **Luis G. McDowell**

Observation of a roughening transition on the surface of ice

18:30-18:50 **Jayant K. Singh**

Ice nucleation on nanotextured surfaces: Influence of surface fraction, pillar height and wetting states

18:50-19:10 **Chantal Valeriani**

Ice nucleation

20:30-22:30 **SOCIAL DINNER**

Friday - July 7, 2017

Session III: Chair TBA

9:00-9:20 **Albert Verdaguer**

Substrate-dependence of the freezing dynamics of supercooled water films: A high speed optical microscope study

9:20-9:40 **Francesco Alliota**

Kovacs effect and the relation between glasses and supercooled liquids

9:40-10:00 **Rosend Rey**

Ultrafast energy fluxes during solvation dynamics in liquid water

10:00-10:20 **María C. Morón**

Reproducing experimental data of relaxation phenomena in liquid water: ambient and low temperature

10:20-10:40 **Ioannis Skarmoutsos**

Local structural fluctuations, hydrogen bonding and structural transitions in supercritical water

10:40-10:55 **Oriol Vilanova**

Crystal polymorphism and hexatic phase in a many-body model for a water monolayer

10:55-11:30 **COFFEE BREAK AND POSTER SESSION**

Session IV: Chair Elvira Guàrdia

11:30-11:50 **Emilio Artacho**

Simulations of nanoconfined water between corrugated walls

11:50-12:10 **Luis Carlos Pardo**

Characterizing ordering in liquid water: An information theory approach

12:10-12:30 **Kazuhiro Fuchizaki**

SnI_4 —the substance that allows us to enter the no man's land

12:30-12:50 **Frédéric Caupin**

Viscosity of supercooled water under pressure and two-state interpretation of water anomalies

12:50-13:20 **Mikhail Anisimov (invited speaker)**

Do ordinary water and heavy water behave differently under supercooled and superstretched conditions?

13:20-13:30 **CLOSING**