

## 2019 PROGRAM

### Imaging the Biomechanics of Life

January 13<sup>th</sup> - 18<sup>th</sup>,  
Bertrand TAVITIAN, Emmanuel BOSSY, Michal NEEMAN, Vasilis NTZIACHRISTOS,  
Kevin BRINDLE

### Environmental Fluid Dynamics: Confronting Grand Challenges

January 20<sup>th</sup> - 25<sup>th</sup>,  
Thierry DAUXOIS, Thomas PEACOCK

### 4<sup>th</sup> Innovative Training Network CREEP Workshop

January 27<sup>th</sup> - February 1<sup>st</sup>,  
Andréa TOMMASI

### Avalanche Dynamics and Precursors of Catastrophic Events

February 3<sup>rd</sup> - 8<sup>th</sup>,  
Kirsten MARTENS, Jérôme WEISS, Vivien LECONTE, Lasse LAURSON

### Ultrafast Opto-Magneto-Electronics for Non-Dissipative Information Technology

February 10<sup>th</sup> - 15<sup>th</sup>,  
Andrei I. KIRILYUK, Stéphane MANGIN

### Physics and Mathematics of Turbulent Flows at Different Scales

February 24<sup>th</sup> - March 1<sup>st</sup>,  
Valerio LUCARINI, Davide FARANDA, Bérengère DUBRULLE, Georg GOTTWALD,  
Jeroen WOUTERS

### Therapeutic Ultrasound

March 3<sup>rd</sup> - 8<sup>th</sup>,  
Gail ter HAAR, Vera KHOKHLOVA, Jean-François AUBRY, Thomas DEFFIEUX

### Doctoral Training: Son et Lumière 2019, Wave Interactions at the Nanoscale

March 11<sup>th</sup> - 22<sup>nd</sup>,  
Aurélien CRUT, Matias BARGHEER, Pascal RUELLO, Yannick GUILLET

### Optimization and Statistical Learning - OSL 2019

March 24<sup>th</sup> - 29<sup>th</sup>,  
Alexandre d'ASPREMONT, Zaid HARCHAOUI, Julien MAIRAL, Jérôme MALICK,  
Philippe RIGOLLET

### Multiscale Modeling of Chromatin: Bridging Experiment with Theory

March 31<sup>st</sup> - April 5<sup>th</sup>,  
Thomas BISHOP, Lars NORDENSKIÖLD, Tamar SCHLICK, Andrzej STASIAK

### New Challenges in Turbulence Research V

April 7<sup>th</sup> - 12<sup>th</sup>,  
Pierre-Philippe CORTET, Mathieu GIBERT, Fabien GODEFERD, Mickaël BOURGOIN

### Light Matter Interaction in Dilute Media and Individual Quantum Systems

April 14<sup>th</sup> - 19<sup>th</sup>,  
Quentin GLORIEUX, Julien LAURAT, Antoine BROWAEYS

### High Precision Physics Using an Optical Fiber Link and Optical Frequency Comb

April 22<sup>nd</sup> - 26<sup>th</sup>,  
Anne AMY-KLEIN, Caroline CHAMPENOIS

### Critical and Collective Effects in Graphs and Networks CCEGN - 2019

May 5<sup>th</sup> - 10<sup>th</sup>,  
Alex ARENAS, Alain BARRAT, Alexander GORSKY, Dmitri KRIOUKOV,  
Sergei NECHAEV

### Doctoral Training: The Multiple Approaches to Plasma Physics from Laboratory to Astrophysics

May 13<sup>th</sup> - 24<sup>th</sup>,  
Benoit CERUTTI, Andrea CIARDI, Miho JANVIER

### Doctoral Training: Biology at Different Scales: Interplay between Physics and Integrative Biology

May 27<sup>th</sup> - June 7<sup>th</sup>,  
Reinhard JAHN, Hugues NURY, François PARCY, Eva PEBAY-PEYROULA

### Physics at TeV Colliders

June 10<sup>th</sup> - 28<sup>th</sup>,  
Fawzi BOUDJEMA, Cédric DELAUNAY, Björn HERRMANN, Emanuele RE

### Summer School: Quantum Information Machines

July 1<sup>st</sup> - 26<sup>th</sup>,  
Michel DEVORET, Benjamin HUARD, Ioan POP

### Summer School: Dynamics and Disorder in Quantum Many Body Systems Far from Equilibrium

July 29<sup>th</sup> - August 23<sup>rd</sup>,  
Dimitry ABANIN, Laurent SANCHEZ-PALENCIA, Marco SCHIRO

### Multiscale Dynamics of Molecular Systems

August 25<sup>th</sup> - 30<sup>th</sup>,  
Federica AGOSTINI, Pascale CHANGENET-BARRET, Lionel POISSON

### New Developments in Topological Condensed Matter Physics

September 2<sup>nd</sup> - 13<sup>th</sup>,  
Claudio CHAMON, Roderich MOESSNER, Nicolas REGNAULT

### Doctoral Training: Frontiers of Condensed Matter

September 16<sup>th</sup> - 27<sup>th</sup>,  
Sebastian BERGERET, Julia MEYER, Tjerk OOSTERKAMP, Jörg SCHMALIAN

### Doctoral Training: Interaction of Light and Cold Atoms

September 30<sup>th</sup> - October 11<sup>th</sup>,  
Mathilde FOUICHE, Robin KAISER, Goulven QUEMENER, Philippe VERKERK

### Fermi Surface and Novel Phases in Strongly Correlated Electrons Systems

October 13<sup>th</sup> - 18<sup>th</sup>,  
Gertrud ZWICKNAGL, Sébastien BURDIN, Pierre RODIERE, Claudine LACROIX,  
Christoph GEIBEL

### CERN Theory Department Retreat

November 6<sup>th</sup> - 8<sup>th</sup>,  
Michelangelo MANGANO, Gian GIUDICE