



## 2023 PROGRAM

### Optimization and Statistical Learning – OSL 2023

January 15th - 20th

Alexandre D'ASPREMONT, Zaid HARCHAOUI, Julien MAIRAL, Jérôme MALICK, Philippe RIGOLLET

### Material Engineering to Explore Mammalian and Bacterial Cell Surface Interactions

January 22nd - 27th

Yoann ROUPIOZ, Vincent HUMBLLOT, Luc VELLUTINI, Karine GLINEL, Lydie PLOUX

### From Soft Matter to Biophysics - a Workshop in Honor of Jean-François Joanny

January 29th - February 3rd

Jörg BASCHNAGEL, Jens ELGETI, Martin LENZ, Hervé TURLIER

### Laboratory Astrophysics : Tracking the Evolution of Cosmic Matter towards Molecular Complexity

February 5th - 10th

Jean-Hugues FILLION, Ludovic BIENNIER, Aude SIMON, Grégoire DANGER

### International Workshop on the Origin of Matter-Antimatter Asymmetry CP2023

February 12th - 17th

Mathieu GUIGUE, Guillaume PIGNOL, Stéphanie ROCCIA

### Recent Advances in Understanding Artificial and Biological Neural Networks

February 19th - 24th

Sebastian GOLDT, SueYeon CHUNG, Marc MÉZARD

### Applications of Hecke and Related Algebras: Representations, Integrability and Physics

February 26th - March 3rd

Nicolas CRAMPE, Azat GAINUTDINOV, Jérémie GUILHOT, Loïc POULAIN D'ANDECY

### Out-of-Equilibrium Physics with Photons and Atoms

March 5th - 10th

Matthias ALBERT, Isabelle BOUCHOULE, Jérôme DUBAIL, Quentin GLORIEUX

### Optimal Transport Theory : Applications to Physics

March 12th - 17th

Roya MOHAYAEI, Jean-David BENAMOU, Yann BRENIER, Bruno LÉVY, Sabino MATARRESE, Quentin MÉRIGOT

### Winter School on Therapeutic Ultrasound

March 19th - 24th

Jean-François AUBRY, Gail TER HAAR, Vera KHOKHLOVA

### Cloud Academy 3: Cloud Formation and Properties in Extrasolar Planets

March 26th - 31st

Dániel APAI, Christiane HELLING, Mickaël BONNEFOY, Nicolas IRO, Mark MARLEY, Véronique VUITTON

### Interaction, Disorder, Elasticity GDR Meeting

April 2nd - 7th

Vivien LECOMTE, Elisabeth AGORITSAS, Damien VANDEMBROUCQ

### ImmunoBiophysics : from Fundamental Physics to Understanding the Immune Response - Second Edition

April 9th - 14th

Pierre-Henri PUECH, Katelyn SPILLANE, Paolo PIEROBON, Jérémie ROSSY, Bebhinn TREANOR

### Doctoral Training : Optomechanics & Nanophononics

April 17th - 28th

Rémy BRAIVE, Daniel LANZILLOTTI-KIMURA

### Doctoral Training : Plasmas in Extreme Environments: from Astrophysics to the Laboratory

May 1st - 12th

Mickaël GRECH, Thomas GRISMAYER, Anna GRASSI, Lorenzo SIRONI, Vanina RECOULES, Susanna VERGANI

### FIPs in the ALPs

May 14th - 19th

Gianluigi ARDUINI, Gaia LANFRANCHI, Maxim POSPELOV

### Scientific Approaches of Societal Issues

May 21st - 26th

Hervé BERCEGOL, Yves GINGRAS, Sylvestre HUET, Roland LEHOUCQ, Gilles RAMSTEIN

### The Physics of Disordered Superconductors and their Application to Quantum Circuits

June 4th - 9th

Milan ALLAN, Mikhail FEIGEL'MAN, Lev IOFFE, Nicolas ROCH, Benjamin SACÉPÉ

### Physics of the TeV Scale and Beyond the Standard Model (PhysTeV)

« Intensifying the Quest for New Physics »

June 12th - 30th

Cédric DELAUNAY, Björn HERRMANN, Emanuele RE

### Summer School : Theoretical Biological Physics

July 3rd - 28th

Anne-Florence BITBOL, Thierry MORA, Ilya NEMENMAN, Aleksandra WALCZAK

### Summer School : 200 Years of Navier-Stokes Equations and Turbulences

July 31st - August 25th

Mickaël BOURGOIN, Nicolas MORDANT, Aurore NASO, John Christos VASSILICOS

### Quantum Dynamics and Spectroscopy of Functional Molecular Materials and Biological Photosystems

Doctoral Training : August 27th - September 1st

Workshop : September 3rd - 8th

Jérémy LÉONARD, Irene BURGHARDT, Jeffrey A. CINA, Jessica M. ANNA, Thomas RENGGER, Young Min RHEE

### Waves in Complex Media: From Theory to Practice

September 18th - 29th

Sylvain GIGAN, Nicolas CHERRORET, Alexandre AUBRY

### Doctoral Training : Ultracold Molecules: Quantum Physics and Applications

October 9th - 20th

Goulven QUÉMÉNER, Raphael LOPES, Hans LIGNIER, Nadia BOULOUBA

### Blending the DFT-Based Multiple Scattering Greens' Function Approach to Spectroscopies with Machine Learning

October 30th - November 10th

Didier SÉBILLEAU, Ján MINÁR, Patrick RINKE

