SCIENTIFIC PROGRAMS

The Shifting Paradigm of Stellar Convection from Mixing Length Concepts to Realistic Turbulence Modeling
Program 2 - 27 March 2020
Coordinators: Hidetaka Naoe, Petra Käpylä, Markus Roth

Is There Still Room for Naturalness
Program 14 April - 1 May 2020
Coordinators: Elin Bergsås Kustermann, Rikard Engberg, Gabriele Ferrerri, David Miltscb, Jorgen Sjölin, Sara Strandberg

Complexity in the Physics of Fracture
Program 4 - 15 May 2020
Coordinators: Mikko Alava, Luisa Angheluta-Bauer, Lasse Laurson, Knut Jørgen Maløy

Particle Growth in Turbulence
Program 18 May - 12 June 2020
Coordinators: Axel Brandenburg, Bernhard Mehlig, Gunilla Svensson

New Directions in Superconductivity and Magnetism
Program 29 June - 24 July 2020
Coordinators: Egil Babcock, Johan Carlström, Naota Nagaoa, Asle Sudbø

Are there Universal Laws in Non-Equilibrium Statistical Physics
Program 24 August - 18 September 2020
Coordinators: Bart Cleuren, Astrid de Wijn, Ralf Eichhorn, Supriya Krishnamurthi

CONFERENCES, WORKSHOPS AND SCHOOLS

Nordita Advanced Winter School on Theoretical Cosmology
School 13 - 24 January 2020
Coordinators: Elisa Ferreira, Guilherme Franzmann, Jerome Quintin, Ricardo Zambujal Ferreira

Dimensionality Reduction and Population Dynamics in Neural Data
Workshop 11 - 14 February 2020
Coordinators: Soledad Gonzalo Cogno, John Hertz, Yasser Roudi

11th Nordic Workshop on Statistical Physics: Biological, Complex and Non-Equilibrium Systems
Workshop 25 - 27 March 2020
Coordinators: Ralf Eichhorn, Alberto Imparato

Nordic Network Meeting on “Strings, Fields and Branes”
Workshop 22 - 24 April 2020
Coordinators: Paolo Di Vecchia, Henrik Johansson, Agnese Bissi, Marco Chiodaroli

Frontiers in Higher-Order Topological Matter
Workshop 5 - 7 May 2020
Coordinators: Vladimir Jurić, Bitaan Ray, Andrei Bernevig

Applied Newton-Cartan Geometry
Workshop 11 - 15 May 2020
Coordinators: Niels Obers, Eric Bergshoeff, Petr Horava, Dam Thanh Son

Quantum Information and Quantum Processing
Workshop 3 - 5 May 2020
Coordinators: Niels Obers, Frank Wilczek, John Wettlaufer

Complex Dynamical Networks
Workshop 18 May - 12 June 2020
Coordinators: Niels Obers, Frank Wilczek, John Wettlaufer

Breakdown of Thermalization of Quantum Systems
Workshop 10 - 14 August 2020
Coordinators: Dimitry Abanin, Anatoly Dymarsky

Asia Pacific-Nordita Quantum Matter Meeting
Workshop 17 - 21 August 2020
Coordinators: Alexander Balatsky, Yunkyu Bang, Matthias Eschrig, Jason Hancock, Sang Jin Sin, Alexander Krikun

Shedding light into the Black Box: Interpretability and Evaluation of Machine Learning in Science
Workshop 21 - 23 September 2020
Coordinators: Chen-Bia Li, Jens Jasche, Astrid de Wijn, Stefano Bo

Quantum Gravity and Experiment
Workshop 11 - 13 November 2020
Coordinators: Marek Abramowicz, Axel Brandenburg, Vitor Cardoso, Niels Obers

Members of the scientific community in the Nordic countries and worldwide are invited to propose scientific programs for 2022.

Proposals should be submitted by December 4, 2020. Further information and submission instructions can be found at www.nordita.org/programs.

For more information about Nordita Scientific Programs visit www.nordita.org/programs.