Main Topics

- Fluctuations and BCS-BEC crossover phenomena in multicomponent and low dimensional systems.
- Quantum Technologies and Novel Phenomena with Bose and Fermi Mixtures.
- Highly nonlinear phenomena: Josephson and Andreev effects, topological defects, skyrmions and solitons, vortex states.
- Novel quantum phenomena in multicomponent / multigap superconductors and superfluids.
- Innovative numerical methods: Machine Learning and its applications.

Scientific and Organizing Committee
Luca Dell’Anna and Luca Salasnich, University of Padova, Italy
Andrea Perali, University of Camerino, Italy
International MultiSuper Network

In collaboration with Yasutomo Uemura, Columbia University, USA

MDPI Condensed Matter Awards
The new open journal Condensed Matter (MDPI) offers an award to the best contribution presented by a young scientist.

Invited Speakers
- Antun Balaz, Institute of Physics, Belgrade, Serbia
- Jonas Bekaert, University of Antwerp, Belgium
- Antonio Bianconi, RICAM, Rome, Italy - Joint SF2021 & Columbia-FCMP Talk
- Massimo Capone, SISSA, Trieste, Italy
- Roberta Citro, University of Salerno, Italy
- Sara Conti, University of Antwerp, Belgium
- Francesca Ferlaino, University of Innsbruck, Austria - Joint SF2021 & Columbia-FCMP Talk
- Stefano Giorgini, University of Trento, Italy
- Felipe Isaule, Universitat de Barcelona, Spain
- Bruno Julia-Diaz, Universitat de Barcelona, Spain
- Yoshihiro Iwasa, The University of Tokyo, Japan - Joint SF2021 & Columbia-FCMP Talk
- Amit Kanigel, Technion - Israel Institute of Technology, Haifa, Israel - Joint SF2021 & Columbia-FCMP Talk
- Philip Kim, Laboratory of Low Dimensional Materials, Harvard University, USA - Joint SF2021 & Columbia-FCMP Talk
- Stefano Lupi, "Sapienza" University of Rome, Italy
- Tommaso Macrì, Universidade Federal do Rio Grande do Norte, Natal, Brazil
- Ilaria Maccari, KTH - Royal Institute of Technology, Sweden
- Paulsamy Muruganandam, Bharathidasan University, India
- David Neilson, University of Antwerp, Belgium
- Yoshi Ohashi, Keio University, Japan
- Meera Parish, Monash University, Australia
- Axel Pelster, TU Kaiserslautern, Germany
- Sebastiano Pilati, University of Camerino, Italy
- Michele Pini, University of Camerino, Italy
- Mohit Randeria, The Ohio State University, USA
- Alessio Recati, University of Trento and INO-CNR BEC Center, Italy
- Andrea Richaud, SISSA, Trieste, Italy
- Utpal Roy, IIT - Indian Institute of Technology, Patna, India
- Carlos Sá de Melo, Georgia Institute of Technology, Atlanta, USA
- Leticia Tarruell, Institute of Photonic Sciences, Mediterranean Tech. Park, Barcelona, Spain - Joint SF2021 & Columbia-FCMP Talk
- Hiroyuki Tajima, University of Tokyo, Japan
- Andrea Tononi, University of Padova, Italy
- Yasutomo Uemura, Columbia University, USA
- Alexei Vagov, University of Bayreuth, Germany; ITMO University, St. Petersburg, Russia

Conference Proceedings of SuperFluctuations 2021 will be published by Condensed Matter. Submission of papers within 30th September 2021

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