



Wells, Frederick S.; Pan, Alexey V.; Wang, X. Renshaw; Fedoseev, Sergey A.; Hilgenkamp, Hans (2015). "Analysis of low-field isotropic vortex glass containing vortex groups in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films visualized by scanning SQUID microscopy". *Scientific Reports*. 5: 8677

Invited Speakers

Marco Cicalese, Technical University of Munich, Germany

Horia Cornean, Aalborg University, Denmark

Pavel Exner, Academy of Sciences, Prague

Emanuela Giacomelli, LMU Munich, Germany

Stephen Gustafson, University of British Columbia, Canada

Zaher Hani, University of Michigan, USA

Bernard Helffer, Université de Nantes, France

Radu Ignat, Université Toulouse III, Paul Sabatier, France

Douglas Lundholm, Uppsala University, Sweden

Xingbin Pan, Chinese University of Hong Kong (Shenzhen), China

Konstantin Pankrashkin, Oldenburg University, Germany

Mikael Persson Sundqvist, Lund University, Sweden

Nicolas Raymond, Université d'Angers, France

Nicolas Rougerie, Unité de Mathématiques Pures et Appliquées, ENS Lyon, France

Etienne Sandier, Université Paris Est, France

Peter Sternberg, Indiana University, USA

Siamak Taati, American University of Beirut, Lebanon

Jakob Yngvason, Vienna University, Austria

Maher Zerzeri, Université Sorbonne Paris Nord, France

MATHEMATICS OF CONDENSED MATTER AND BEYOND

February 22–25, 2021

Condensed matter physics is an important source of challenging mathematical problems. Models of superconductivity, Bose-Einstein condensates, and liquid crystals involve linear and non-linear versions of the Schrödinger equation. Their study requires sophisticated analytical tools coming from different areas of applied mathematics, with several established research groups contributing worldwide.

The conference will bring together experts and young scholars to share their most recent ideas and results. It will be hosted virtually by the Center for Advanced Mathematical Sciences at the American University of Beirut (CAMS, AUB) whose mission is the promotion of mathematical sciences in the Middle East region.

Through its mix of state of the art local and international contributions, the conference offers a unique opportunity to mathematicians/physicists in Lebanon and their PhD students.

The event is an integral part of a stream of activities within the **CAMS Thematic Program in Mathematical Physics 2020-2021**: Spectral theory, Semi-Classical Analysis, and Condensed Matter Physics.

Organized by

Michele Correggi, Politecnico di Milano, Italy

Ayman Kachmar, Lebanese University, Lebanon

Wafaa Assaad, Lebanese University, Lebanon

Registration open at: aub.edu.lb/CAMS