

# NEW PERSPECTIVES ON HYPERKÄHLER MANIFOLDS



## A CELEBRATION OF DIMITRI MARKUSHEVICH'S 60+2<sup>nd</sup> BIRTHDAY

This workshop aims at providing an updated survey of the state of the art and future research directions in the area of compact hyperkähler manifolds in its various aspects. In particular, the following are some of the topics that will be addressed during the conference: the study of automorphisms and monodromy groups of compact hyperkähler manifolds and applications, the construction of families of compact hyperkähler manifolds, and the study of Lagrangian fibrations on compact hyperkähler (singular) varieties. The workshop will be an opportunity to celebrate Dimitri Markushevich's 60+2<sup>nd</sup> birthday and to recognize his many contributions to algebraic geometry. Interested participants may be note that on the previous week (5-10 June, 2022) a School and Workshop on "Moduli spaces and stability conditions" will take place in the same location. For information please write here: → [modulicirm@gmail.com](mailto:modulicirm@gmail.com)

### Speakers:

- **Ekaterina Amerik**, Université de Paris-Saclay, FR
- **Chiara Camere**, Università degli Studi di Milano, IT
- **Gaia Comaschi**, Universidade Estadual de Campinas, BR
- **Daniele Faenzi**, Université de Bourgogne, Dijon, FR
- **Valery Gritsenko**, Université de Lille, FR, and National Research University HSE, Moscow, RU
- **Marcos Jardim**, Universidade Estadual de Campinas, BR
- **Alexander Kuznetsov**, Steklov Mathematical Institute, Moscow, and National Research University HSE, Moscow, RU
- **Laurent Manivel**, Université Paul Sabatier, Toulouse, FR
- **Eyal Markman**, University of Massachusetts, Amherst, USA
- **Grégoire Menet**, Université de Lille, FR
- **Giovanni Mongardi**, Università degli Studi di Bologna, IT
- **Giulia Saccà**, Columbia University, USA
- **Alessandra Sarti**, Université de Poitiers, FR
- **Justin Sawon**, University of North Carolina at Chapel Hill, USA

- **Alexander Tikhomirov**, National Research University HSE, Moscow, RU
  - **Misha Verbitsky\***, IMPA, Rio de Janeiro, BR, and National Research University HSE, Moscow, RU
- \* TBC

### Scientific and Organizing Committees:

- **Ugo Bruzzo**, SISSA, Trieste, IT
- **Grégoire Menet**, Université de Lille, Lille, FR
- **Francesco Sala**, Università di Pisa, IT

### Where:

Bellavista Relax Hotel, Levico Terme, Trento, IT

### When:

Monday 13 June 2022 – Friday 17 June 2022

### For registration:

Please register on the web page → <https://indico.cs.dm.unipi.it/event/13/> by March 15, 2022.

A limited amount of funds is available for younger participants. To apply for support please register by February 28, 2022.

### Info:

→ <https://indico.cs.dm.unipi.it/event/13/>  
→ [francesco.sala@unipi.it](mailto:francesco.sala@unipi.it)

