

## Keynote lectures

- **Prof. Natalia G. Berloff**, *University of Cambridge, UK*:

Quantized vortices in condensates: from superfluid helium to polariton condensates

- **Prof. Yasuhide Fukumoto**, *Kyushu University, Japan*; **Prof. Valery Okulov**, *Technical University of Denmark, Denmark*; **Prof. David Wood**, *University of Calgary, Canada*:

Kawada's contribution to induced velocity by helical vortices with its application to propeller theory

- **Prof. William K. George**, *Imperial College of Science, UK*:

Further advances in understanding 'the structure of inhomogeneous turbulent flows'

- **Prof. Fazle Hussain**, *Texas Tech University, USA*:

The looming crisis in air traffic capacity - can vortex dynamics help?

- **Prof. Thomas Leweke**, *Institut de Recherche sur les Phénomènes Hors Equilibre, Marseille, France*:

Experiments on vortex interactions and instabilities

- **Prof. Renzo L. Ricca**, *Università degli Studi di Milano-Bicocca, Lombardy, Italy*:

Vortex knots cascade by HOMFLYPT polynomial

- **Prof. Vladimir N. Shtern**, *Shtern Research and Consulting, Houston, USA*; **Prof. Guy B. Marin**, *Ghent University, Gent, Belgium*

Mechanisms of eddy formation in swirling flows