

Vortex Matter in Nanostructured Superconductors

October 26 , 2013 (HE82). The eight international conference “Vortex Matter in Nanostructured Superconductors” (VORTEX VIII) was traditionally held on the island of Rhodes, Greece, this time from September 21 to 26, 2013. The conference was a satellite of EUCAS 2013, organized in school format under the auspices of the European Program (Action) “NanoSC”.

In total 123 participants from all over the world have been participating in this training school. The list of countries included (number of participants in brackets):. Austria (2), Australia (2), Belgium (16), Brazil (13), Switzerland(5), China (2), Czech Republic (3), Germany (9), Denmark (1), Estonia (2), Spain (3), Finland (3), France (11), United Kingdom (6), Greece (1), Israel (3), Italy (8), Japan(6), the Netherlands (5), Norway (2), Russia (2), Sweden (2), Slovakia (4), Tunis (1), Ukraine (2), United States of America (9).



Group photo of participants in VORTEX VIII

During the 5 days, presented were 64 oral presentations and 71 posters of excellent quality. In the scope of the conference/school, besides the introduction to the new EU COST-Action MP-1201, included were the following topics:

- Multigap Superconductivity
- Vortices in Mesoscopic Superconductors
- Superconductivity at the Nanoscale
- Nano-engineered Pinning Arrays
- Superconductor/ferromagnet Hybrids
- Josephson Junctions and their Arrays
- Vortex Dynamics, Driven Vortex Lattices, Ratchets
- Nanoscale Imaging
- Vortices in Bose-Einstein Condensates

- Vortices in Superfluid Helium
- Superconducting nanostructures for plasmonics.

The abstract booklet including also information on Action MP-1201, the European Virtual Institute, Rhodes venue, *etc.*, is accessible [here](#).