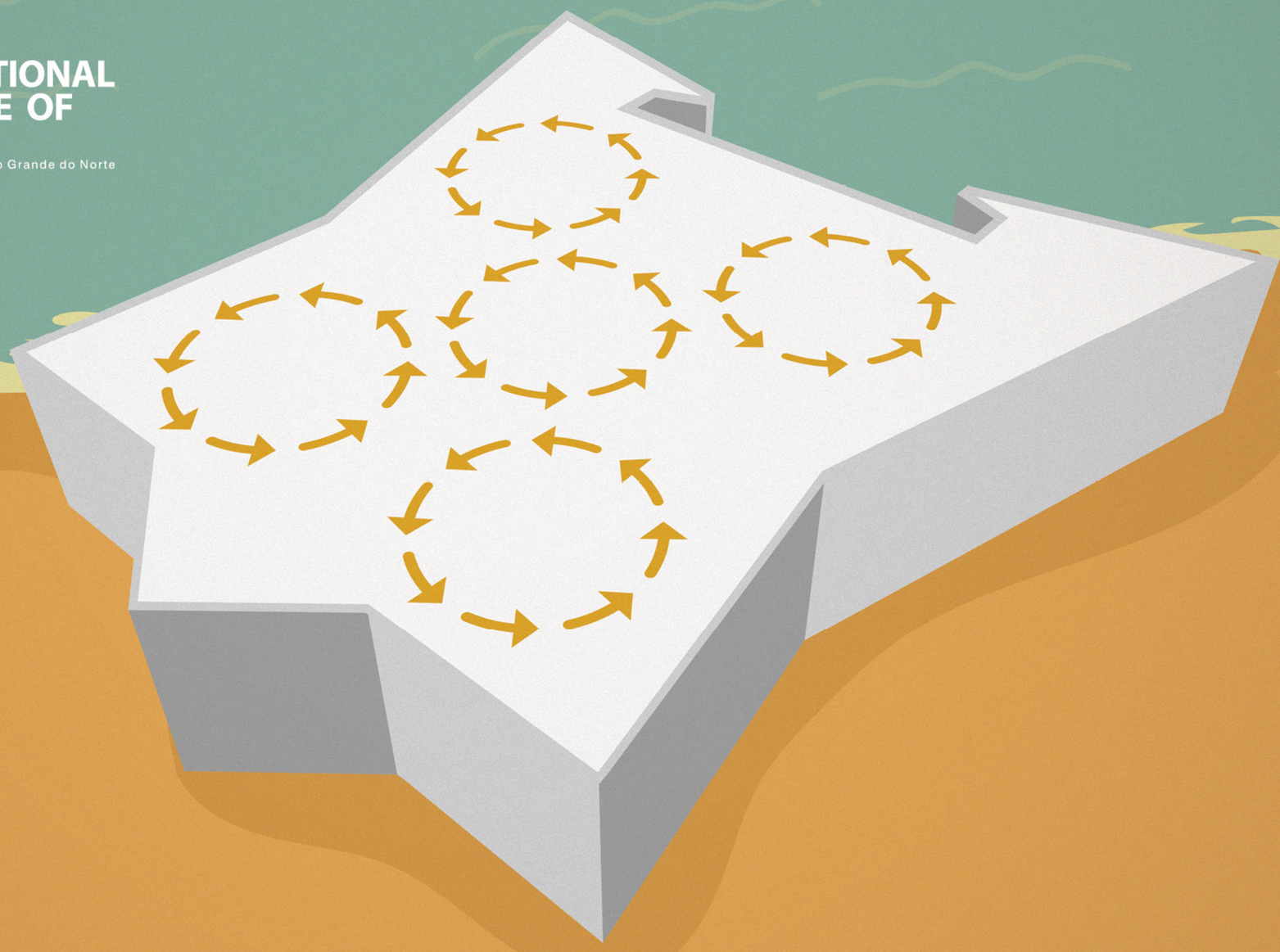
INTERNATIONAL INSTITUTE OF PHYSICS
Federal University of Rio Grande do Norte



16TH INTERNATIONAL WORKSHOP ON VORTEX MATTER

WORKSHOP - MAY 28 TO JUNE 03, 2017, NATAL-BRAZIL

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TOPICS:

- *Vortex dynamics and pinning - phase diagrams*
- *Thermal and disorder induced transitions*
- *Strong pinning regime*
- *Vortices in nanostructured and irradiated superconductors*
- *Interface superconductivity -vortex pinning in 2D and layered superconductors*
- *Quantum behavior in low dimensional superconductors*
- *Vortices in iron superconductors*
- *Topological insulators and superconductors*
- *Vortex imaging in real and reciprocal space*
- *Vortex matter in a magnetic background - coexistence of magnetism and superconductivity*
- *Mesoscopic effects in conventional and exotic superconductors*
- *Critical currents, critical fields, power applications*
- *Devices for high frequency radiation and detection*
- *Vortex matter in multiband superconductors*
- *Novel electronic and vortex states*
- *Vortices in strongly correlated electron superconductors*
- *Vortices in cold-atom systems*
- *Bose-Einstein condensates*
- *Vortices in superconductor–ferromagnetic hybrids*
- *New technical improvements; novel insights to the vortex properties*
- *Magnetic skyrmions: lattices and dynamics*
- *Other topological excitations*

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