

# Colloquia 2015

**22 January**

**Andrea Tomadin**

*Hydrodynamic flow in 2D electron liquids and electrical viscometers*

**19 February**

**Fabrizio Castellano**

*Development of on-chip components for THz quantum cascade lasers outcoupling and beam shaping*

**26 March**

**Daniela Parisi**

*Fluoride materials: growth, spectroscopy and laser experiments*

**23 April**

**Daniel Navarro Urrios**

*Cavity optomechanics: Activating coherent mechanical oscillations with radiation pressure*

**21 May**

**Alessandro Pitanti**

*Electromechanics with silicon nitride membranes*

**25 June**

**Silvia Landi**

*Inside a pathological brain by means of in vivo two-photon imaging and electrophysiology*

**17 September**

**Ilaria Tonazzini**

*Neural contact guidance along nanostructured surfaces*

**15 October**

**Elia Strambini**

*Geometric quenching of dynamical nonlocality in nanoscale quantum circuits*

**19 November**

**Michele Campisi**

*Nonequilibrium fluctuations in quantum heat engines: Theory, example, and possible solid state experiments*

**17 December**

**Dario Camiola**

*Hydrogen transport within graphene multilayers by means of coherent flexural phonons*

Time: 11:00am, Place: NEST seminar room.

For information, please contact Fabio Taddei ([fabio.taddei@nano.cnr.it](mailto:fabio.taddei@nano.cnr.it)) or Stefan Heun ([stefan.heun@nano.cnr.it](mailto:stefan.heun@nano.cnr.it)).