

HEATTRONICS

Mon, 2016-07-11 09:09 - [Minna Günes](#) **Full Name:** Mesoscopic heattronics: thermal and nonequilibrium effects and fluctuations in nanoelectronics

Coordinator: Tero Heikkilä

Location

Aalto University and University of Jyväskylä Finland
61° 55' 26.796" N, 25° 44' 53.3436" E

Website:

http://cordis.europa.eu/project/rcn/91882_en.html

Running time: 2010-01-01 - 2015-12-31

HEATTRONICS is a research effort where the emergence of the subsystem temperatures in different types of small electronic systems, and the physical phenomena associated with those temperatures is studied. The aim is to understand the fundamental properties of electronic systems, directly relevant for the development of thermal sensors and electron refrigerators. The results benefits also the research of solid-state realizations of quantum computing and the race towards quantum limited mass and force detection.

The project is an individual European Research Council (ERC) grant allocated to Docent Tero Heikkilä, currently working as a Professor at the University of Jyväskylä.

- [ERC](#)
- [EC - FP7](#)
- [Quantum Computation](#)
- [Quantum Metrology, Sensing and Imaging](#)

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