

The University of Groningen and the Groningen Cognitive Systems and Materials (CogniGron) have **one** opening for a PhD candidate to work within the CogniGron NEUROTACT project.

CogniGron is a unique multidisciplinary research center. We do fundamental research into self-learning materials and systems for cognitive computing — computing that can learn and handle complex challenges super-efficiently, inspired by how the human brain works. This means rethinking the computer as we know it. So, we are on a mission: to find a new blueprint for future-proof computing.

NEUROTACT aims at developing bio-inspired neuromorphic sensing systems interfacing the tactile capabilities of flexible piezoelectric sensors with dedicated neuromorphic networks. We will focus on the fabrication and integration of flexible sensors, circuit interfaces and neuromorphic spiking neuronal networks. Furthermore, we will study physical interaction with the environment and application of this innovative approach to the development of tactile platforms with impact in biomedical devices.

The PhD position is funded by the Ubbo Emmius Foundation and is offered as a 1+3 years contract. More information about the conditions of employment at the University of Groningen is available [here](#). If successful, the PhD candidate will be part of an active interdisciplinary group, and be supervised by Prof. dr. Mónica Acuautla and Prof. dr. Elisabetta Chicca.

Qualifications: Interested candidates

- should have demonstrable skills or background in one or more of the following fields: Mechatronic Engineering, Mechanical or Electrical Engineering, Flexible Electronics, MEMS/NEMS; or some other relevant field.
- be proactive, eager to work in a multidisciplinary environment, and have the disposition to engage in collaborative research,
- have excellent English communication skills.

To apply for either position, candidates should compile **one pdf file** containing:

- a detailed CV,
- a detailed letter of motivation,
- transcripts of bachelor and master studies grades,
- contact information of two references,

and send it to m.i.acuautla.meneses@rug.nl

Applications will be evaluated as soon as they are received, and interviews will be arranged with potential candidates. The PhD positions are expected to start in March 2025 or as soon as possible.

Informal inquiries about this position should be directed to m.i.acuautla.meneses@rug.nl