

## Netherlands:Two PhD students in Data-Driven Modeling in Dynamic Networks

The Control Systems Group at the Electrical Engineering Department in Eindhoven University of Technology has a vacancy for

**Two PhD students in Data-Driven Modeling in Dynamic Networks** (4 years).

### Project description

The positions for the PhD projects are in the scope of an ERC Advanced Research project on the topic of system identification in dynamic networks. The project will encompass four PhD students, three postdocs and additional staff members, and will be carried out within the Control System Group. It concerns the development of basic methods and tools for data-driven modelling in dynamic networks, including experiment design, topology and network identification, sensor and actuator location optimization, identification for distributed control, algorithm and software development, handling non-synchronous sampling, communication channels as network links, and development of applications in high-tech domains (e.g. smart grids, industrial processes).

The PhD students will develop their own research line around one or more of the topics above, and in conjunction with the team partners.

### Control systems group

The research competence of the group is in system identification, model approximation, (nonlinear) model predictive control, spatial-temporal systems, networked and event-driven control, distributed and model-based optimization. With an international staff and close cooperation with industrial research partners, the group covers four technology domains: high-tech systems, industrial production processes, power networks and automotive systems. The group actively participates in the PhD programme of the Dutch Institute of Systems and Control (DISC), and consists of about 35 people, among which 7 full-time academics.

### Job requirements

We are looking for candidates who have

- [redacted] applied
- [redacted] data
- [redacted]
- [redacted]

### Conditions of employment

We offer a challenging job at a dynamic and ambitious university through a fixed-term appointment for the period of 4 years. As an employee of the university, you will receive a gross salary between € 2174 and € 2779 per

month as well as excellent employment conditions. The university offers an attractive package of fringe benefits such as excellent technical infrastructure, child care, savings schemes, and excellent sports facilities. Assistance for finding accommodation can also be given.

**Tentative Submission Deadline : 26 June 2016**

[Further Information](#)