The Institute of Applied Informatics of the Alpen-Adria Universität Klagenfurt

in cooperation with the DynaCon research project is seeking a

Research Project Assistant / Doctoral Student

The project:

Cyber-physical systems (CPS) tightly integrate computer-based algorithms with mechanic/electronic components and users on top of computer network infrastructures. Within this challenging research area, the DynaCon research project will develop and investigate novel techniques for automatic fault recovery and (re-)configuration of large-scale CPS.

The performance of methods developed in DynaCon will be tested in four diverse application areas: (i) road traffic control, (ii) communication networks for controlling power generation, (iii) communication networks for information services, and (iv) railway operation.

Tasks and responsibilities:

- Research within the project's scope with the aim to acquire the Doctoral Degree
- Experimental design and prototype development
- Presentation of scientific results in journals and at conferences
- Assistance in project management

Required qualifications:

- A university degree (master or Diplom-Ingenieur) in computer science, mathematics or closely related fields graded with good academic success
- Good programming skills and knowledge about algorithms and data structures
- Basic skills in logic programming (e.g. answer set programming, datalog, prolog)

Desired qualifications:

- Experience with artificial intelligence, knowledge-based systems (e.g. constraint-based systems) and/or logic programming (e.g. answer set programming, datalog, prolog)

What we offer:

- 30 months contract starting as soon as possible, 2017 (40 hours/week, salary starting at € 38,200 per year before taxes)
- Research within a young and dynamic team
- Launching pad into an academic career on an international level

For application and/or further information, please contact until October 27th, 2017:

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