

PhD research fellowship position in “Model-Driven Service Engineering” at Department of Telematics, NTNU, Norway

A PhD research fellowship position is offered within the area of Networked Systems at the Department of Telematics in the Faculty of Information Technology, Mathematics and Electrical Engineering (IME), the Norwegian University of Science and Technology (NTNU). The Department of Telematics has 3 research areas: (1) Networked Systems, (2) Networks, and (3) Information Security.

The department has approximately 35 PhD students and is currently involved in a national centre of Excellence (Q2S, www.q2s.ntnu.no), National research programs, EU Network of Excellences (ePhoton/ONe, Euro-NGI) and EU research projects (SPICE, SIMS).

The research focus of this PhD fellowship position is on methods and tools for high level service modeling and automated transformation to executable realizations. Network based services in the future are expected to have a rich content, to be personalized and to be adaptable to different usage situations. Rapid and modular development as well as delivery over highly heterogeneous and dynamic platforms will be needed. Central research questions are how collaboration-oriented models can be used to specify services in a compositional way and how such models can be refined into detailed design models suitable for automatic translation to executable code. Methods and tools shall be developed to support this.

We seek a highly motivated individual holding a Master’s degree in Telematics, Telecommunications, Computer Science, Electrical Engineering or other relevant disciplines. The candidate must fulfil the formal requirements to be accepted as a PhD candidate at NTNU. See also the information about doctoral studies at NTNU at http://eddis.ime.ntnu.no/newlook2/Dr.gradsstudier_eng/index.php3?tall=2

Interested candidates are encouraged to contact Professor Peter Herrmann (email: herrmann@item.ntnu.no; Phone: +47 73 59 43 27; <http://www.item.ntnu.no/~herrmann/>) or Professor Rolv Bræk (email: rolv.braek@item.ntnu.no; Phone: +47 73 59 26 70; <http://www.item.ntnu.no/~rolvbra/>) for further information. For more detailed information about the department, see <http://www.item.ntnu.no/>, and about the research area Networked Systems see <http://www.item.ntnu.no/research2.php>

PhD research fellowship position at NTNU is normally for 4 years where the candidates are expected to use 25 % of their time on teaching or research assistance duties.

PhD fellowships are placed in salary code 1017, salary level 43-59 in the national salary scheme, gross NOK 325 600-431 500 per annum, of which 2 % is deducted for the State Pension scheme. Starting salary expected to be at level 43.

The appointment will be made in accordance with current regulations with supplementary rules for research fellowship appointments in universities and polytechnics. Applicants must agree to participate in organized doctoral study programs within the period of the appointment. The successful applicant must agree to the conditions laid down for public employees. A contract will be drawn up regarding the period of appointment and work-related duties for award holders.

NTNU is an equal opportunity employer and welcomes applications from both EU/EEA and non-EU candidates. The university is strongly committed to diversity within its community and especially welcomes applications from members of ethnic minorities and women. The department has currently 25 % female PhD students and encourage women to apply to increase this proportion.

The application must contain information about education, examinations and previous experience. Certified copies of testimonials and documents must be attached. Three copies of publications and any other work that the applicant wishes to be taken into account should also be enclosed.

The application should be submitted to the Norwegian University of Science and Technology, Faculty of Information Technology, Mathematics and Electrical Engineering, N-7491 Trondheim, Norway. Applications should be marked **IME 010-2008**.

Closing date: April 4th 2008.