Kristina Lundqvist

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EDUCATION

Ph.D. Computer Systems, Uppsala University, Sweden, 2000
Dissertation: "Distributed Computing and Safety Critical Systems in Ada"
Dissertation Advisor: Lars Asplund

Lic. Computer Systems, Uppsala University, Sweden, 1997
Thesis: "Distribution of Ada by Means of Software and Hardware"

M.Sc. Computer Science, Uppsala University, Sweden, 1991
Thesis: "CAD-mognad i Sverige, bland byggprojektörer och fastighetsförvaltare"

FIELDS OF SPECIALIZATION

Primary: Design and Verification of Distributed Real-Time Embedded Systems
Secondary: HW/SW Co-design, Software Processes, CS/SWE Education for non-CS Engineering Majors

ACADEMIC EMPLOYMENT

Assistant Professor	2002	-
Lecturer, Dept. of Aero/Astro, MIT	2001	2002
Post doctoral research fellow, Dept. of Aero/Astro, MIT	2000	2001

PROFESSIONAL ACTIVITIES

Director: Embedded Systems Laboratory, MIT

Panels: Invited by Swedish National Agency for Higher Education (Högskoleverket) to participate in the *National Evaluation of Graduate Engineering Education (Utvärdering av utbildningar till civilingenjör vid svenska universitet och högskolor)*

Reviewer: Digital Avionics Systems Conference
Euromicro Conference on Real-Time Systems
Euromicro Journal of Systems Architecture
International Conference on Reliable Software Technologies
Journal of Aerospace Computing, Information, and Communication

Track chair: Digital Avionics Systems Conference – Software Engineering

Session chair: Digital Avionics Systems Conference
International Conference on Reliable Software Technologies

Member: ACM, AIAA, IEEE

SELECTED PAPERS

- K. Lundqvist and L. Asplund**, "**A Ravenscar-Compliant Run-Time Kernel for Safety-Critical Systems", Real-Time Systems – The International Journal of Time-Critical Computing Systems, 24, pp. 29-54, Kluwer Academic Publishers, Feb 2003

- K. Lundqvist, J. Srinivasan, S. Gorelov, "Non-Intrusive System-Level Fault Tolerance", 10th International Conference on Reliable Software technologies, York, LNCS3555, June 2005
- G. Naeser, K. Lundqvist, " Component-based Approaches to Run-Time Kernel Specification and Verification", 17th Euromicro Conference on Real-Time Systems (ECRTS05), IEEE, Palma de Mallorca, Spain, July 2005
- K Lundqvist, J. Srinivasan, "A First Course in Software Engineering for Aerospace Engineers", 19th Conference on Software Engineering Education and Training (CSEE&T2006), IEEE, April 2006