

**1. Professional preparation:**

- ◇ Professor of Computer Science, Mälardalen University (MDH), since Jan. 2012.
- ◇ Doctor of Philosophy in Computer Science and Engineering, MDH, May 2006.
- ◇ Master of Science in Computer Engineering with Specialization in Real-Time Systems, MDH, Nov. 2002.

**2. Selected record of appointments:**

- ◇ Chair (2 year elect) of the IEEE IES Technical Committee on Factory Automation (TCFA), since Jan. 2012.
- ◇ Director of Graduate Studies at the School of Innovation, Design and Engineering, MDH, since Jan. 2011.
- ◇ Member of the Committee for Post Graduate Education of the Faculty Board, MDH, since Jan. 2011.
- ◇ Leader of the CORE research group (currently 3 PhD researchers and 5 PhD students) at MDH, since Apr. 2010.
- ◇ President of SNART – The Swedish National Real-Time Association, since Oct. 2008.
- ◇ Program Leader of The PROGRESS Research Centre (12 research projects, ~35 persons), since Jul. 2007.
- ◇ PhD Student Ombudsman for all PhD students (~200 persons) at MDH, Jul. 2003 – Jun. 2005.
- ◇ Chair of the PhD Student Council (Doktorandrådet) at MDH, Jul. 2003 – Jun. 2005.
- ◇ Adjunct Member of the SFS PhD Student Committee (Sveriges Förenade Studentkårers Doktorandkommitté), SFS, Stockholm, Oct. 2003 – Jun. 2005.

**3. Selected record of research projects:**

- ◇ PPMsched – Performance Preserving Multicore Scheduling, the Knowledge Foundation (KKS), *HÖG 11 Project Grant*, 2012 – 2014, 4.455 kSEK. **(principal applicant)**
- ◇ PREMISE – Predictable Multicore Systems, the Knowledge Foundation (KKS), *Strategic Recruitment*, 2012 – 2017, 4.800 kSEK.
- ◇ PRESS – Predictable Embedded Software Systems, the Swedish Foundation for Strategic Research (SSF), *Individual Grant for Future Research Leaders*, 2011 – 2015, 10.000 kSEK. **(principal applicant)**
- ◇ START – Stochastic Real-Time Analysis of Embedded Software Systems, the Swedish Research Council (VR), *Project Research Grant*, 2011 – 2013, 2.400 kSEK. **(principal applicant)**
- ◇ ARROWS – Design Techniques for Adaptive Embedded Systems, the Swedish Research Council (VR), *Multi-Project Grant*, 2009 – 2012, 12.156 kSEK. **(co-applicant)**
- ◇ HISCORE – Hierarchical Scheduling of Complex Real-Time Embedded Systems, the Swedish Research Council (VR), *Junior Research Position Grant*, 2008 – 2011, 4.124 kSEK. **(principal applicant)**
- ◇ PROGRESS – The PROGRESS Centre for Predictable Embedded Software Systems, the Swedish Foundation for Strategic Research (SSF), *Strategic Research Centre Grant*, 2006 – 2011, 49.000 kSEK.

**4. Selected record of community services:**

- ◇ Editorial Board Member of Elsevier's J. of Systems Arch. (JSA): Embedded Software Design, since 2009.
- ◇ Guest Editor of 3 Special Issues of the IEEE Transactions on Industrial Informatics (TII), since 2008.
- ◇ I have been part of the organization (General Chair, Organizer, Program Chair, Publicity Chair, Session Chair, and PC-Member) for 85 international symposia, conferences and workshops, including being General Chair and/or Organizer 6 times, Program Chair of 10 technical program committees and PC-Member of more than 60 technical program committees (including all international top events in real-time systems: RTSS, ECRTS, RTAS and RTCSA, and factory automation: ETFA, SIES and WFCS).

**5. Achievements in graduate education:**

- ◇ I have supervised 2 PhD students that successfully defended their PhD theses, and 3 PhD students that successfully presented their Licentiate theses. I am today principal supervisor for 5 PhD students, and assistant supervisor for 1 PhD student. Moreover, I am recruiting 4 new PhD students in 2012, fully funded by my own granted research money.
- ◇ I give an annual course introducing PhD students from all areas of research at MDH to graduate education. Moreover, I lecture in several courses related to graduate education, including one course in PhD student supervision and one course in research planning. I also lecture at other research environments at intl. universities. I have been Examiner/Opponent/Committee Member etc. for 2 PhD theses and 6 Licentiate theses.
- ◇ I have been Leader, Lecturer or Assistant in 20 instances of 7 different courses at MDH and abroad, and I have been Thesis Coordinator at the Department of Computer Science and Electronics at MDH 2002 – 2006.

**6. Short record of research achievements:**

- ◇ I have published 123 peer-reviewed papers, including publications in all top ranked events of my field. I have a large international cooperation, resulting in 70 of the publications being co-authored by external researchers. I have presented more than 30 scientific papers at international symposia, conferences and workshops, and I communicate research in popular scientific ways, via lectures, web, articles, newspapers, and radio. My citation count is 875 and my h-index is 15 (according to Google Scholar 2012-01-16).