

Teaching history of Leo Motus

Teaching is the only activity that a professor gets paid for by the local university. My personal experience indicates that all the money for research related expenses must be earned by the researcher from outside of the University. Another peculiarity of teaching is that the study programmes have been in permanent change for last decade, mostly due to often changes in paradigms for modernisation of the higher education system.

A quick overview of my teaching and lecturing related activities

1976 -- 1992	<p><i>Sporadic teaching activity:</i></p> <ol style="list-style-type: none"> 1. <i>Not quite regular courses at Tallinn Technical University</i> 2. <i>One week course for PhD and MSc students at Tampere University of Technology (Finland) on timing analysis of real-time software,</i> 3. <i>One week course for PhD students and staff in Jadavpur University (India) on CONRAD and Q-model</i> 4. <i>Short courses and separate lectures in Delft University of Technology (the Netherlands), in University of Wales (the U.K.), Royal Technical University (Stockholm, Sweden), Lawrence Livermore National Laboratory (USA), etc.</i>
1992 – today	<p><i>Professor at Tallinn Technical University. The courses and their names have been evolving intensively within this period, but presently</i></p> <ol style="list-style-type: none"> 1. <i>I deliver two undergraduate courses “Real-time software engineering” (appr. 130 students), with practical exercises on Rational Rose RT and “Formal timing analysis of software” (appr. 50 students) with practical exercises on LIMITS. According to the latest changes in study programmes the latter course will be delivered for post-graduate students.</i> 2. <i>For post-graduate students I deliver optional courses “Real-time and artificial intelligence” and “Software engineering environments”. Under preparation are post-graduate courses on “Multi-agent systems I, and II”.</i> 3. <i>Last three years I have delivered a course on “Real-time systems” for mixed audience at Tartu University, and at Estonian College for Information Technology.</i> 4. <i>Occasionally I have delivered some lectures abroad – e.g. University of New South Wales (Sidney, Australia), University of Malardalen (Sweden), IEE headquarters at Savoy Place (UK), Material Process Design Wright Laboratory (Dayton, Ohio, USA), Ecole Nationale d’Ingénieurs (Tarbes, France), School of Graduate Professional Studies, Penn State University (Great Valley, USA).</i>

A software engineering tool LIMITS, that is based on the locally developed theory and prototype (CONRAD), has been enhanced by a EU financed project LIMITS, and finally completed by IB Krates OÜ, is being used for hands-on exercises in the course for formal timing analysis of software.

Jointly with Institute of Technology (University of Tartu) we are working on another potential laboratory tool – KRATT, a test-bed for time-aware multi-agent systems.

A more regularly updated status of my teaching load can be found at the homepage of the Department for Computer Control (find a Chair for real-time systems) – www.dcc.ttu.ee/Automaatika/LAP/