

Petur Olsen

CONTACT INFORMATION	Distributed and Embedded Systems Unit Department of Computer Science Aalborg University, Selma Lagerlöfs Vej 300 9220, Aalborg Øst, Denmark	<i>E-mail:</i> petur@cs.aau.dk <i>Phone:</i> (+45) 9940 8637 <i>Cell:</i> (+45) 3025 0896 <i>Web:</i> www.cs.aau.dk/~petur/
DETAILS	<i>Full name:</i> Mr. Petur Olsen <i>Place of birth:</i> Tórshavn, Faroe Islands <i>Date of birth:</i> October 27 th 1982 <i>Children:</i> None <i>Languages:</i> Danish, English, and Faroese	
PROFILE	I am a PhD fellow with the Distributed and Embedded Systems (DES) unit at the Department of Computer Science, Aalborg University. I am a junior member of the Danish research project DaNES, and the Center for Embedded Software Systems (CISS), as well as the Danish VKR Centre of Excellence, MT-Lab. <i>Research Interests:</i> Model-Based Testing of data intensive systems. More specifically extending the area of model-based testing with UPPAAL TRON and timed automata, with formalisms for testing reactive systems which have some internal state, possibly a database. Additionally I am interested in research combining model checking and static analysis. Specifically incorporating static analysis techniques into the UPPAAL model checking tool.	
ACADEMIC QUALIFICATIONS	Aalborg University , Denmark PhD Fellow (Expected graduation: August 2011) <ul style="list-style-type: none">• Thesis Subject: Model-Based Testing of Data Intensive Systems• Advisers: Prof. Kim G. Larsen, Assoc. Prof. Arne Skou MSc. in Engineering in Software Engineering (Cum Laude). June 2008 Føroya Studentaskúli og HF-Skei , Faroe Islands Mathematical STX (GCSE). June 2003	
POSITIONS	2008: PhD Fellow, Dept. of Computer Science, Aalborg University. 2008: Research Assistant, Aalborg University. 2007: Developer, Nykredit Bank A/S.	
HONORS AND AWARDS	Nominated for best Master Thesis in Computer Science, DSfD Denmark. MSc graduation with <i>Cum Laude</i> honors, currently the highest obtainable honor, at Danish universities. Translation: <i>Elitekandidat</i> .	
SELECTED PUBLICATIONS	Conference and Workshop Contributions P. Olsen, K. G. Larsen, A. Skou, “Present and Absent Sets: Abstraction for Testing of Reactive Systems with Databases”, 6th Workshop on Model-Based Testing, MBT 2010. P. Olsen, K. G. Larsen, M. Mikucionis, A. Skou, “Present and Absent Sets: Abstraction for Data Intensive Systems Suited for Testing”, Systems Software Verification, SSV’09, Extended abstract. T. Bøgholm, H. Kragh-Hansen, P. Olsen, B. Thomsen, K. G. Larsen, “Model-Based Schedulability Analysis of Safety Critical Hard Real-Time Java Programs”, in Proc. 6th International Workshop on Java Technologies for Real-Time and Embedded Systems, JTRES’08. Master Thesis T. Bøgholm, H. Kragh-Hansen, P. Olsen, “Model-Based Schedulability Analysis of Real-Time Systems”, 117 pages.	

Department of Computer Science, Aalborg University, June 2008
Examiners: Bent Thomsen and Kim G. Larsen (supervisors) and Anders P. Ravn. (Grade 12).

Technical Reports

T. Bøgholm, H. Kragh-Hansen, P. Olsen, “Real-Time Java”, Dept. of Computer Science, AAU, December 2007.

H. Andersen, T. Bøgholm, H. Kragh-Hansen, P. Olsen, M. Pedersen, “Indoor Positioning using RFID”, Dept. of Computer Science, AAU, May 2007.

H. Andersen, T. Bøgholm, H. Kragh-Hansen, P. Olsen, “Instant Mobile Access”, Dept. of Computer Science, AAU, December 2006.

H. Andersen, T. Bøgholm, H. Kragh-Hansen, P. Olsen, M. Pedersen, “An Administrators Guide to Networking”, Dept. of Computer Science, AAU, May 2006.

J. V. Boelsmand, T. Bøgholm, H. Kragh-Hansen, P. Olsen, “QEB - Termite”, Dept. of Computer Science, AAU, December 2005.

J. V. Boeglmund, T. Bøgholm, M. Dancker-Jensen, S. Jensen, H. Kragh-Hansen, P. Olsen, “IMBA”, Dept. of Computer Science, AAU, May 2005.

J. Thomsen, M. Dancker-Jensen, M. Pedersen, P. Olsen, S. Jensen, “Better Enigma Tool”, Dept. of Computer Science, AAU, December 2004.

PHD STUDY ACTIVITIES	Mathematical Kaleidoscope 3	AAU 2010
	Lecturers: Leif Jørgensen, Lisbeth Fajstrup, Arne Jensen, Jesper Møller, Morten Nielsen.	
	Professional Communication	AAU 2010
	Lecturers: Anette Kolmos, Lise Busk Kofoed, Per Kortegaard.	
	Category Theory with application in functional programming	AAU 2009
	Lecturers: Uli Fahrenberg and Rene Rydhof Hansen.	
	Quantitative Model Checking	ITU Copenhagen 2010
	Organisers: Members of the European Network of Excellence ARTIST and MT-LAB.	
PROGRAMMING AND TECHNOLOGY	Program Analysis	AAU 2009
	Lecturers: Fleming Nielson, Hanne Riis Nielson, Alan Mycroft, and Kim G. Larsen	
	Writing and reviewing scientific papers	AAU 2009
	Lecturer: Jakob Stoustrup.	
REFERENCES	TAROR Summer School	Spain 2009
	Organizers: Manuel Núñez	

PROGRAMMING AND TECHNOLOGY Java, C, C++, C#, Bash Shell Scripting, Ruby, Ruby on Rails, L^AT_EX, UPPAAL, UPPAAL TRON, UPPAAL COVER,

REFERENCES Available upon request.