

Doina Bucur

POSITION	Post-doctoral researcher	
CONTACT INFORMATION	Oxford University Computing Laboratory Wolfson Building, Parks Road Oxford OX1 3QD, UK	E-mail: doina.bucur@comlab.ox.ac.uk Webpage: http://www.daimi.au.dk/~doina
RESEARCH INTERESTS	Ubiquitous computing. Sensor networks: <ul style="list-style-type: none">– sensor applications and infrastructure– safety, analysis and verification of sensor software and sensor network behaviour. Positioning technologies. Pervasive healthcare.	
EDUCATION	PhD, University of Aarhus, Denmark <ul style="list-style-type: none">• Thesis: <i>On Context Awareness in Global Ubiquitous Computing</i>• Advisor: Mogens Nielsen M.Sc., Politehnica University of Bucharest, Romania	Dec 2008 2004
SELECTED PUBLICATIONS	“Bug-Free Sensors: The Automatic Verification of Context-Aware TinyOS Applications” Doina Bucur and Marta Kwiatkowska, <i>European Conference on Ambient Intelligence (AmI 2009)</i> , Springer LNCS 5859. 2009 “GammaSense: Infrastructureless Positioning using Background Radioactivity” Doina Bucur and Mikkel Baun Kjaergaard, <i>European Conference on Smart Sensing and Context (EuroSSC 2008)</i> , Springer LNCS 5279. 2008 “Secure Data Flow in a Calculus for Context Awareness” Doina Bucur and Mogens Nielsen, <i>Concurrency, Graphs and Models</i> , Springer LNCS 5065. 2008 “Resource Discovery in Activity-Based Sensor Networks” Doina Bucur and Jakob E. Bardram, <i>Special Issue on Pervasive Healthcare</i> , Springer MONET, Vol. 12. 2007 <i>(more details on webpage)</i>	
GRANT SUPPORT	EPSRC UbiVal: Fundamental Approaches to the Validation of Ubiquitous Computing Applications and Infrastructures , University of Oxford Fokus paa Fremtiden: Arkitektur, Applikationer og Graenseflader til Traadloes Telefoni , University of Aarhus	2008-2010 2005-2008
TEACHING	Teaching assistant / instructor / demonstrator / course administrator for: Software Verification , University of Oxford Computability and Logic , University of Aarhus Operating Systems , Politehnica University of Bucharest Operating-System Design , Politehnica University of Bucharest Formal Languages and Automata , Politehnica University of Bucharest Functional Programming , Politehnica University of Bucharest Introduction to Algorithms and Algorithm Analysis , Politehnica University of Bucharest Local-Area Networks , Politehnica University of Bucharest Fundamentals of Wireless Networks , Cisco Academy Training Center, Bucharest Cisco Certified Network Associate , Cisco Academy Training Center, Bucharest	2009 2007 2003-2005 2003-2005 2005 2005 2004 2004 2003-2005 2001-2005
AWARDS, CERTIFICATIONS	University scholarship for merit, Politehnica University of Bucharest, Romania (1998-2002, 2004) Certifications: <i>Cisco Certified Network Associate (CCNA)</i> and <i>Cisco Certified Academy Instructor (CCAI)</i> (2003) First (1997) and second (1998) national prize at the National Physics Olympiad, Romania	