

CURRICULUM VITAE

Bilge Kartal Çetin, PhD



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EDUCATION

PhD. in Electronic Engineering, Wireless Communication Programme at Faculty of Engineering and Science, Aalborg University Aalborg, Denmark
Thesis: Energy Efficiency and Routing in Sensor Networks, ISBN: 978-87-92328-78-6, 2008-2011
AAU 2011

M.Sc. in Telecommunication at Electrical and Electronics Engineering, Ege University Izmir, Turkey
Thesis: Creating a medical sensor network and development of a multicast routing algorithm. Medikal kablosuz sensör ağı için platform oluşturulması ve çoklu gönderim algoritması geliştirilmesi 2003-2006

B.Sc., Electrical and Electronics Engineering, Dumlupınar University Kutahya, Turkey
1999-2003

ACADEMIC and PROFESSIONAL EXPERIENCE

Researcher, Lecturer Department of Electrical and Electronic Engineering, Ege University, Communication System Lecture Izmir, Turkey
Oct. 2012- (present)

Research and Teaching Assistant, Department of Electrical and Electronic Engineering, Ege University Izmir, Turkey
Teaching assistant for Microelectronic Circuits, Circuit Analysis, Communication Systems Dec. 2004 –March.2007

Visiting Researcher, , Department of Electronics Systems, Aalborg University Aalborg, Denmark,
Marc. 2007- Nov. 2007

PhD Student, Department of Electronics Systems, Aalborg University

Aalborg, Denmark
2008 - 2011

- During my PhD I worked as a researcher at a EU funded FP7 project ASPIRE
- Full PhD Scholarship

Vice Chair, IEEE Student Branch at Aalborg University

Aalborg, Denmark
Jan 2010 – Dec 2010

PhD Representative, Doctoral School Board, Faculty of Engineering and Science, Aalborg University

Aalborg, Denmark
Jan 2010 – Dec 2010

- The Doctoral School Board ensures the quality and continuous development of the Doctoral School at the Faculty of Engineering and Science. Since January 2010, I have been elected member of this board. I continue my task here until December 2010.

PAU membership, PAU is the community for PhD fellows at Faculty of Engineering and Medical Sciences at AAU.

Aalborg, Denmark
Marc. 2008- Aug. 2011

- PAU organize events for PhDs ensuring networking and social relations between the PhDs. Since April 2008 I have been a member the organization and from January 2010 to December 2010 I was a member of the board.

PUBLICATIONS

- Bilge Kartal Cetin, Neeli Rashmi Prasad, and Ramjee Prasad, 'A Novel Linear Programming formulation of maximum lifetime routing problem in wireless sensor networks', Int. J. Autonomous and Adaptive Communications Systems, Vol. 6, No. 2, 2013.
- Bilge Kartal Cetin, Neeli R. Prasad, Ramjee Prasad, "A Mathematical Programming Formulation of Maximum Lifetime Routing Problem in Duty-Cycling Sensor Networks", Wireless Personal Communication, Springer Journal 2013, DOI:10.1007/s11277-013-1003-5 .
- B. Kartal Cetin, N. R. Prasad, R. Prasad, "A Novel Linear Programming Formulation of Maximum Lifetime Routing Problem in Wireless Sensor Networks", The 7th International Wireless Communications and Mobile Computing Conference, Temmuz, 2011.
- Kwang-Cheng Chen, Bilge Kartal Cetin, Yu-Cheng Peng, Neeli Prasad, Jin Wang and Songyoung Lee, "Routing for cognitive radio networks consisting of opportunistic links", Wireless Communication and Mobile Computing, journal in Wiley InterScience, August 2009" DOI:10.1002/wcm.776
- Nuno Pais, Bilge Kartal Cetin, Nuno Pratas, Fernando J. Velez, Neeli R. Prasad, Ramjee Prasad, "Cost-benefit Aware Routing Protocol for Wireless Sensor Networks with Hybrid Energy Storage System", Journal of Green Engineering, Volume 1 Issue 2, Ocak 2011.
- Bayu Anggorojati, Kamil Cetin, Bilge Kartal Cetin, Neeli R. Prasad, "An implementation study for creating a research platform for telehomecare and Easy Life" , 1st International Conference

on Wireless Communication, Vehicular Technology, Information Theory and Aerospace and Electronic Systems Technology, May 2009.

- Bilge Kartal Cetin, Carlo Galiotto, Kamil Cetin, Neeli R. Prasad "Reading reliability report : WP5 - Ubiquitous, added value sensing", ASPIRE (Advanced Sensors and lightweight Programmable middleware for Innovative RFID Enterprise applications) Project Deliverable 5.3, April 2010.
- Neeli R. Prasad, Bilge Kartal Cetin, Humberto Moran, Sofyan M. Yousup, John Soldatos, Ramiro Samano Robles, Panos Dimitropoulos, Nikos Zarokostas, Ioannis Kolokouris, Jean-Philippe Leclercq, 'Detailed Report on Planning of Pilots', ASPIRE (Advanced Sensors and lightweight Programmable middleware for Innovative RFID Enterprise Applications) Project WP6 (Application Integration, Trials and Evaluation Deliverable) D6.1, April 2009

PROJECTS

ASPIRE (Advanced Sensors and Lightweight Programmable Middleware for Innovative Rfid Enterprise Applications), European Research Counsel FP7, ICT-215417-CP, <http://www.fp7-aspire.eu/> **Researcher and Contributor of Work Packages**, 2008-2011 (3 years).

CRUISE (Network Initiative for Creating Ubiquitous Intelligent Sensing Environments) FP6 NoE – IST -4-027738 , Researchers 2007 March- 2007, November (9 months)

LANGUAGE

Turkish (Native proficiency)
English (Full professional proficiency)
Danish (Elementary proficiency)

PROGRAMMING SKILLS

Programming: Matlab (Experienced with GUI and Optimization Toolbox), C/C++, Assembly,

Simulators: Omnet, Ns2.

Editing Tools: LaTeX, Microsoft Office Tools