

Dr. Saed TARAPIAH

Communication Engineering Department, An-Najah National University, Nablus, Palestine
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CURRENT POSITION

Assistant professor at communication Engineering Department, An- Najah National University, September 2011 – Present

EDUCATION

- January 2008 - January 2011 “Politecnico di Torino” – Turin, Italy
Ph.D. student, Department of Electronics Engineering, (SIPD joint doctorate school which runs by the three Italian Technical universities, the Politecnico di Torino (coordinator of the project), the Politecnico di Bari and the Politecnico di Milano, offer joint PhD programs of high qualifications).
- September 2006 - September 2007 “Politecnico di Torino” – Turin, Italy
M.Sc. degree in wireless systems and related technologies from the Electronics Department (TOPMED project, with honour, first order, with grade 27.8/30).
- September 2000 - May 2005 “An-Najah National University” – West bank, Palestine
B.Sc. Degree from the Computer Department, College of Engineering (with honour, third order 83.4/100).

WORK EXPERIENCE

- Since September 2011
"An-Najah National University" - Nablus, Palestine
Working with the Department of communication engineering as an assistant professor.
- June 2011 – September 2011
“Palestine Technical University - Khadoori” - West bank, Tulkarem
Working with the Department of communication engineering as an assistant professor.
- August 2005 – September 2006
“An-Najah National University” - West bank, Palestine
Teacher and research assistant in the Computer Department, College of Engineering.

Certifications or professional registrations

- June 2004 – August 2004
“Palestinian Telecom (PALTEL)” – Palestine
Training on Routers Programming and Software Management.
- March 2006
“CISCO Academy” – Palestine
CCNA trainer

ADDITIONAL CAREER EXPERIENCE - PART TIME

- August 2009 – July 2010
"National Institute for Research in Computer Science and Control (INRIA) Méditerranée Research Centre" - Sophia Antipolis, France
- June 2007 – November 2007
"Telecom Italia labs, TIM" – Turin, Italy
AROMA project "Radio Resource Management in Heterogeneous Wireless Networks"

SOCIAL AND ORGANIZATIONAL SKILLS

- Member of the Institute of Electrical and Electronics Engineers (IEEE).
- Member of Network of Excellence Euro-NF.
- Member of Palestinian Engineers Association.
- Member of Society of Digital Information and Wireless Communications (SDIWC).
- Member of the Palestinian scientific society for innovation and development.

COMPUTER SKILLS

- Programming Languages: Oracle, Visual C++, Java, NS2, MATLAB, gnuplot, xfig.
- Computer Applications: TEX (LATEX, BibTEX), most common productivity packages.
- Microcontroller Programming and Interfacing.

TRAINING

- Scientific writing, May 2010 "Politecnico di Torino" – Turin, Italy

AWARDS

- Winner of Pioneers E-learning award.
- Winner of ZAMALEH scholarship, for scientific research visit for ISMB, Italy
- Winner of SIPD program scholarship during the PhD period.
- Winner of "L'Universita Italo Francese (UIF) 2009" travel grant.
- Winner of TOPMED program scholarship during the M.Sc period
- Winner of Belgian program scholarship during the B.Sc period

COURSES TAUGHT:

BACHELOR COURSES:

- (1) Cellular Communication systems, (2) Multimedia Communication, (3) Telecommunication networks, (4) Random Variables and Probability, (5) Electrical Circuits-1, (6) Communication lab, (7) Electrical Circuits Lab, (8) Electrical and Electronic Circuits Lab, (9) Internship, (10) Graduation Project-1, (11) Graduation Project-2, (12) Advanced Telecommunication Networks, (13) Networking Lab, (14) C++ programming language.

PUBLICATIONS

REFEREED JOURNALS:

- K. Aziz , S. Tarapiah, M. Alsaedi, S. Haj Ismail, S. Atalla. " Wireless Sensor Networks for Road Traffic Monitoring", International Journal of Advanced Computer Science and Applications(IJACSA), 6(11), 2015.
- S. Tarapiah, K. Aziz and, S. Atalla. " Common Radio Resource Management Algorithms in Heterogeneous Wireless Networks with KPI Analysis" International Journal of Advanced Computer Science and Applications(IJACSA), 6(10), 2015, pages 53-58.
- S. Tarapiah, K. Aziz and, S. Atalla. " Radio Resource Management in Heterogeneous Networks, Functional Models and Implementation Requirements", "International Journal of Computer Applications (IJCA) , October 2015, Vol 127, number 16, pages 1-4.
- S. Tarapiah, K. Aziz and, S. Atalla. " Advanced Radio Resource Management Solutions for Multi-Access Wireless and Mobile Technologies", "International Journal of Enhanced Research in Science, Technology & Engineering (IJERSTE) , September 2015, Vol 4, Issue 9, pages 165-169.
- S. Tarapiah, K. Aziz and, S. Atalla. "Performance Evaluation of Network Coding in Wireless Ad Hoc Networks", international journal of engineering and innovative technology (IJEIT), May 2015, Vol 4, Issue 11, pages 17-24.
- S.Tarapiah and, S. Atalla, "Public Transportation Management System based on GPSWiFi and Open Street Maps" International Journal of Advanced Computer Science and Applications(IJACSA), 6(1), 2015.
- S.Tarapiah, S. Atalla and, A. Masri. Article: "Analysis the Performance of Network Coding for Ad Hoc Networks in Realistic Simulation Scenarios". International Journal of Computer Applications 85(10):13-20, January 2014. Published by Foundation of Computer Science, New York, USA.
- A. Masri, S.Tarapiah, Y. Dama. Article: "Secondary User Power Saving in Overlay Cognitive Radio Networks". International Journal of Computer Applications 86(7):1-5, January 2014. Published by Foundation of Computer Science, New York, USA.
- S. Tarapiah, S. Atalla and, R. AbuHania. "Smart On-Board Transportation Management System Using GPS/GSM/GPRS Technologies to Reduce Traffic Violation in Developing Countries", International Journal of Digital Information and Wireless Communications (IJDIWC),3,4,96-105,2013,The Society of Digital Information and Wireless Co.
- Utku Acer, Paolo Giaccone, David Hay, Giovanni Neglia, Saed Tarapiah. "Timely Data Delivery in a Realistic Bus Network" Journal: IEEE Transactions on Vehicular Technology - IEEE TRANS VEH TECHNOL , vol. 61, no. 3, 2012.

REFEREED CONFERENCES:

- K. Aziz, S. Tarapiah, S. Haj Ismail, S. Atalla. " Smart Real-Time Healthcare Monitoring and Tracking System using GSM/GPS Technologies", IEEE International Conference on Big Data and Smart City, (ICBDSC) 2016, 15-16 March 2016, Muscat.
- S.Tarapiah, S. Atalla, N. Mulla and, S. Tarabeh. "Offline Public Transportation Management System Based on {GPS/WiFi} and Open Street Maps", CICSyN2014, 6th Int Conference on Computational Intelligence, Communication Systems and Networks , Tetovo, Macedonia, May 2014.
- S.Tarapiah and S. Atalla and, B. Alsayid, "Smart On-Board Transportation Management System Geo-Casting Featured," in International Conference on Computer Information Systems 2014 (ICCIS-2014), Hammamet,Tunisia, Jan. 2014.
- Saed Tarapiah, Rajaa AbuHania, Islam Hindi, Diana Jamal. "Applying Web Based GPS/GPRS Ticketing and Tracking Mechanism to Reduce Traffic Violation in Developing Countries", The International Conference on Digital Information Processing, E-Business and Cloud Computing (DIPECC2013), 2013, Dubai, UAE. October 2013.
- Utku Acer, Paolo Giaccone, David Hay, Giovanni Neglia, Saed Tarapiah. "Timely Data Delivery in a Realistic Bus Network", IEEE INFOCOM (MiniConference), 2011, Shanghai, China. April 2011.
- Claudia Campolo, Claudio Casetti, Carla-Fabiana Chiasserini, Saed Tarapiah. (2009). "Performance of Network Coding for Ad Hoc Networks in Realistic Simulation Scenarios", on the proceedings of the 16th ICT international conference on telecommunications, May 2009, Marrakech, Morocco.
- Saed Tarapiah, Claudia Campolo, Claudio Casetti, Carla-Fabiana Chiasserini. (2009). "Network Coding in Ad Hoc Networks: a Realistic Simulation Study", IEEE INFOCOM 2009. Rio de Janeiro, Brazil. April 2009.

TECHNICAL REPORT:

- U. Acer, P. Giaccone, D. Hay, G. Neglia, and S. Tarapiah. "Timely data delivery in a realistic bus network". Technical report, 2010. Available online at: <http://hal.archives-ouvertes.fr/inria-00547254/en/>.
- T Saed, B Andrea, B Massimo, E Per, F Robert, M Giuseppe, T Marco, V Avelina. "Economic evaluation of novel AROMA RRM/CRRM algorithms and solutions", Telecom Italia Labs, 2007. Available online at: http://staff.najah.edu/sites/default/files/AROMA_tech_report.pdf.
- Sophia Antipolis-Méditerranée team, "Models for Performance Analysis and Control of Networks" Technical report, 2009, available online at: <http://raweb.inria.fr/rappportsactivite/RA2009/maestro/maestro.pdf>