

KHREIS Alaa

104 Avenue de Paris, Residence Paris Héloïse, B113, Villejuif 94800, France

+33 6 81969969

alaa_khreis@ieee.org

<http://lb.linkedin.com/in/alaakhreis>

<http://alaakhreis.com>

Date of Birth: 07/04/1993

Nationality: Lebanese – German



Wireless Communication Systems Engineer and PhD Student

Education

- 2015-Present: PhD Student, Cross-layer optimization of cooperative and coordinative schemes for next generation cellular networks [Coccinelle]
Director: Philippe CIBLAT, Co-director: Pierre DUHAMEL
Télécom ParisTech, LTCI, Comelec Department, CommNum Group (France)
Digiteo/Digicosme PhD Grant
- 2014-2015: M2 Research in Advanced Wireless Communication Systems
CentraleSupélec (France)
- 2012-2014 : Engineering Student
Lebanese University, Faculty of Engineering, Branch III, Department of Electricity and Electronics (Lebanon)
- 2010-2012 : Engineering Student
Lebanese University, Faculty of Engineering, Branch III, Common Trunk (Lebanon)
- 2009-2010 : Lebanese Bacalaureate Certificate - General Science
Very Good - Total 486/570

Professional Experience

- April-September 2015: Internship (Evaluation of Impact of Introducing Quality of Service on Wireless Links for Communication Based Train Control)
Siemens (France)
- July - October 2013 (continued in 2014): Job contract (Development of the faculty official website www.ftm.ul.edu.lb)
Lebanese University, Faculty of Tourism and Hospitality Management (Lebanon)
- July - September 2013: Internship (Development of a water treatment plant Data Acquisition System in a team)
National Instruments (Lebanon)

Projects

- February – March 2015: Finite state Markov chain analysis of Hybrid Automatic Repeat request (HARQ) schemes
CentraleSupélec (France)
- June 2014: Scheduling in OFDMA based systems, simulation of scheduling algorithms using NS-3 simulator
Lebanese University, Faculty of Engineering
- December 2013: Quadrature Shift Keying Modulation, simulation of a QPSK system using Matlab
Lebanese University, Faculty of Engineering

Certificates

- Certified LabVIEW Associate Developer
National Instruments
- CCNA 1: Network Fundamentals - CCNA2: Routing and Switching Essentials -CCNA3: Scaling Networks
Cisco Networking Academy

Languages

- French : Level B2 of the Common European Framework of Reference for Languages
Diplôme d'études en langue française niveau B2, Mission Culturelle Française au Liban
- German : Level B2 of the Common European Framework of Reference for Languages
Goethe-Zertifikat B2, Goethe-Institut
- English : Independent User

Activities and Skills

- Study trip to the SophiaTech Campus, Sophia Antipolis, France, March 12-14
Selected Visiting student to participate at the "Mediterranean Days@Campus Sophiatech 2014" organized by Eurecom, Inria, University of Nice Sophia Antipolis, CNRS (I3S, LEAT) and the Labex UCN@Sophia.
- Active member of the Institute of Electrical and Electronics Engineers
Founder and Chair (2013-2014) of the IEEE Student Branch at the Lebanese University, Faculty of Engineering, Branch III
Organizer and participant at many IEEE activities (IEEE Day 2013 Lebanon Event, Competitive Programming Workshop, IEEEExtreme 24 hours programming competition (top 10 in Lebanon), conferences, meetings, elections ...).
- Programming and Algorithms
Programming languages C, C++, Java, VB.NET. Web development technologies HTML5, CSS, JavaScript, JQuery and JQuery mobile, AJAX , ASP.NET, SQL, LINQ and the IDE Microsoft Visual Studio and SQL Server Management Studio.
- Engineering software
Network Simulator (NS3), LabVIEW, Multisim, Matlab, Simulink, Wireshark, Cisco Packet Tracer and others.
- Reading articles and publications about wireless communication topics.

References

- Abed ELLATIF SAMHAT, Professor, Lebanese University, samhat@ul.edu.lb
- Philippe CIBLAT, Professor, Télécom ParisTech, LTCI, philippe.ciblat@telecom-paristech.fr
- Pierre DUHAMEL, Research Director, CentraleSupélec, L2S, pierre.duhamel@lss.supelec.fr
- Francesca BASSI, Professor, L2S, francesca.bassi@lss.supelec.fr
- Anne Sophie CHAZEL, Project Manager, Siemens, anne-sophie.chazel@siemens.com