

RESUME/ CURRICULUM VITAE

Name: Nizar H Alsharif

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Nationality: Saudi

CAREER PROFILE/SUMMARY

I Received the B.Eng. degree with 1st class honours in 2005 from the department of Computer Engineering at Umm al-Qura University, Saudi Arabia. I received my MASc and Ph.D. degrees from the department of Electrical and Computer Engineering at the University of Waterloo, Canada's most innovative university. Currently, I am an assistant professor in the Department of Computer Engineering and Science in Albaha University, Saudi Arabia. I used to act as a Vice-Dean for Academic affairs, and now I am holding the position of Vice-Dean for Development and Quality in the faculty of Computer Science and Information Technology to help obtaining institutional and program academic accreditation.

EDUCATION/ACADEMIC QUALIFICATIONS

2017 **Ph.D.** Electrical and Computer Engineering University of Waterloo, Waterloo, Canada CGPA: 91.33%, First category Thesis The thesis is focusing on Vehicular Communications where many protocols have been designed and verified with a goal of enabling multihop routing in Vehicular Ad Hoc Networks. With multihop data packet routing, our protocol supports passengers with lowcost Internet access.

2010 **MASc** Electrical and Computer Engineering University of Waterloo, Waterloo, Canada CGPA: 89% The thesis is focusing on system security with an application on Vehicular Communications. The security of position-based data communication in vehicular networks has been investigated, different attacks have been identified, and security schemes have been proposed to secure the network.

2005 **B.Eng.** Computer Engineering Umm Al-Qura, Makkah, Saudi Arabia CGPA: 96%, 1st class honours 5 years degree focusing on computer architecture and artificial intelligence (Neural Networks, Computer Vision, Pattern Recognition) . Final project was on designing and implementing a microcontroller based control device that has the capabilities to intercept phone signals, interpret received entries and control home appliances accordingly.

RELEVANT ACADEMIC EXPERIENCE

2018 Now	Vice-Dean for Development and Quality CSIT - Al-Baha University
2018 2018	Vice-Dean for Academic Affairs CSIT- Al-Baha University
2017 2017	Head of Quality and Development Unit CSIT - Al-Baha University
2015 2017	Teaching Assistant University of Waterloo, A TA in Digital Circuits and Systems courses. Experience includes lab teaching and supervision, and reports and assignments marking
2007 2008	Teaching Assistant Al-Baha University, Faculty of Engineering. Experience includes teaching and evaluation.

PUBLICATIONS

- N. Alsharif**; X. Shen, "D-CAR: Dynamic Connectivity-Aware Routing in VANETs for Internet-based Services," in IEEE Transactions on Vehicular Technology , Submitted
- N. Alsharif**, K. Aldubaikhy and X. S. Shen, "Link duration estimation using neural networks based mobility prediction in vehicular networks," 2016 IEEE Canadian Conference on Electrical and Computer Engineering (CCECE), Vancouver, BC, Canada, 2016, pp. 1-4.
- N. Alsharif**; X. Shen, "iCAR-II: Infrastructure-based Connectivity Aware Routing in Vehicular Networks," in IEEE Transactions on Vehicular Technology , vol.PP, no.99, pp.1-1
- N. Alsharif** and X. S. Shen, "iCARII: Intersection-based connectivity aware routing in vehicular networks," 2014 IEEE International Conference on Communications (ICC), Sydney, NSW, 2014, pp. 2731-2735.
- N. Alsharif**, S. Céspedes and X. S. Shen, "iCAR: Intersection-based connectivity aware routing in vehicular ad hoc networks," 2013 IEEE International Conference on Communications (ICC), Budapest, 2013, pp. 1736-1741.
- N. Alsharif**, A. Wasef and X. Shen, "Mitigating the Effects of Position-Based Routing Attacks in Vehicular Ad Hoc Networks," 2011 IEEE International Conference on Communications (ICC), Kyoto, 2011, pp. 1-5.
- N. Alsharif**, A. Wasef and X. Shen, "ESPR: Efficient Security Scheme for Position-Based Routing in Vehicular Ad Hoc Networks," Global Telecommunications Conference (GLOBECOM 2010), 2010 IEEE, Miami, FL, 2010, pp. 1-5.

RESEARCH FUNDS/GRANTS

2018 *Deploying Internet of Things for Road Traffic Obstacles Detection in Al-Baha Region*, University of Al-Baha, 83k SAR.

TEACHING EXPERIENCE

- CE and CS courses and Final year projects

AWARDS

- ECE 3MT (3-minute thesis) People's Choice Winner Award 2017
- University of Waterloo Graduate Studies Research Travel Assistantship Award (June 2016)
- Three Awards of Excellence, awarded by the Saudi Arabian Cultural Bureau in Canada
- UW Graduate Scholarships for the terms Winter 09, Spring 09, Winter 11
- A scholarship from Albaha University to pursue both Master and PhD degrees (2008-2016)
- First-class honours from Umm al-Qura University for a bachelor's degree in Computer Engineering with a GPA 3.84/4 (2000-2005)
- An Excellent Secondary School grade with Accumulative Average of 98.4 (1998-2000)

Community Service

- Reviewer for many journals and conferences including: IEEE Transactions on Vehicular Technology, VTC2016, CSE 2014, Telecommunication Systems, Infocom 2013, VTC2012, ICC'12, JSAC-SI CoNet, Journal of Communications and Networks
- Volunteer administrative tasks in Infocom 2014 and VTC 2016
- Volunteer with the Reception House Waterloo Region to help newcomers to Canada (2016)
- The principal of the Saudi School in Waterloo (2014-2015)
- Founder of University of Waterloo Arabic Tutoring Program (UWAT) (2012-2013)
- Founder of Saudi Kids Soccer Academy (2017)
- The Global Representative for Saudi Arabia at the International Student Office (Currently the International Student Experience) at University of Waterloo (2010-2016)
- The representative of the Saudi Students Association of Waterloo at the University of Waterloo (2011-2016)

REFERENCES

- Dr. Mohammed Yahya, Faculty of Computer Science and Information Technology, Dean msawileh@bu.edu.sa
- Prof. Sherman Shen, Electrical & Computer Engineering, University of Waterloo, xshen@bcr.uwaterloo.ca