

NABIL BENAMAR

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WORK EXPERIENCE

Al Akhawayn University in Ifrane

September 2020 - present

Adjunct Professor of Computer Sciences

- Internet of Things, Python, Data Analysis

School of Technology, Meknes

June 2016 - present

Full Professor of Computer Sciences

- Cloud Computing, Security, Linux Administration

School of Engineering (ENSA), Kenitra

2015 - present

Visiting teacher for Master degree

- IPv6, Cryptography, Python, Network Programmability, Introduction to Scientific Research

School of Engineering (ENSA), Fes

2017 - 2019

Visiting teacher for Master degree

- IPv6, Internet of Things

School of Human Sciences, Meknes

2010 - 2016

Associate Professor of Computer Sciences

- Basics in Computer Sciences

Poly-disciplinary Faculty, Safi

2005 - 2009

Assistant Professor of Computer Sciences

- Computer Networks, Operating Systems, Computer Architecture, Web design

EDUCATION

Presidence UMI, Meknes, Morocco

December 2020

Full Professor in Computer Sciences

Faculty of sciences, Meknes, Morocco

July 2014

Habilitation in Computer Sciences

Faculty of sciences, Meknes, Morocco

December 2004

PhD in Physics

Institut National des Postes et Telecommunications, Rabat, Morocco

July 2003

Master in Computer Networks

Faculty of sciences, Meknes, Morocco

December 2001

Master in Physics

Faculty of sciences, Meknes, Morocco

June 1998

Bachelor in Electronics

TECHNICAL STRENGTHS AND CERTIFICATIONS

IPv6 expert (he.net Sage certified)	IPv6 trainer with Menog, Afrinic, Auf
Cisco Certified	CCNA, CyberOPS
LPI Certified	Linux Professional Institute
Internet Governance	Internet Society (ISOC)

MAIN RESEARCH INTERESTS

My main research topics are IPv6, vehicular networks, DTNs, IoT, IDNs and SFC/SDN/NFV. I am an author of several journal papers and an IETF Standard.

ORGANIZING COMMITTEE

IEEE Wireless Communications and Networking Conference WCNC'2019
Chair of the Third Edition of MenaComm'2020
Chair of the International Workshop on Technologies, Algorithms, Models, Platforms and Applications for Smart Cities TAMPAS'19
Chair of the International Workshop on Technologies, Algorithms, Models, Platforms and Applications for Smart Cities TAMPAS'18
co-chair of the Fourth International Workshop on RFID and Adaptive Wireless Sensor Networks RAWSN'16

TECHNICAL PROGRAM COMMITTEE

TPC Chair of AFRICOMM'20.
IEEE Flagship conferences (Globecom, ICC, PIMRC, WCNC, etc..).
PC member with the Middle East Network Operators Group MENO.

EDITOR

Associate Editor of IEEE Access.
Associate Editor of Wireless Communications and Mobile Computing
Associate Editor of Int. J. of Multimedia Intelligence and Security IJMIS

REVIEWER

Computer Communications (Elsevier), Adhoc Networks (Elsevier), Future Generation Computer Systems (Elsevier), JKSUCS (Elsevier), International Journal of Wireless Information Networks (Springer), Arabian Journal for Science and Engineering (Springer), IEEE Journal on Selected Areas in Communications (J-SAC), IEEE Access and IEEE Sensors. More details on Publons

MAIN RECENT PUBLICATIONS

- 1- Traffic Steering for Service Function Chaining.
H Hantouti, N Benamar, T Taleb, A Laghrissi. IEEE Communications Surveys and Tutorials (2019) 21 (1), 487 - 507
- 2- OF-EC: a Novel Energy Consumption Aware Objective Function for RPL based on Fuzzy Logic.
H Lamaazi, N Benamar. Journal of Network and Computer Applications (2018) 117, 4258
- 3- El Hamdani, S., Benamar, N., Younis, M. (2019). A protocol for pedestrian crossing and increased vehicular flow in smart cities. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations.
- 4- Service Function Chaining in Future Networks: Challenges and Open Research Issues. H Hantouti, N Benamar, T Taleb (Accepted in IEEE Network).

For more details, see my Scholar profile.

INTERNATIONAL COMMITMENT

IETF fellow	89,92,95,99 and 103
ISOC Ambassador to IGF	(2012 and 2013)
Google panelist in the first Arab-IGF	
ICANN fellow	ICANN 50 and 54

Member of the Task Force for AIDNs, a team of people working on making the DNS speaks Arabic!.

I also served as a member or G6 Association for IPv6 and one of the contributors to the IPv6 MOOC.

PROJECTS

ITIC-TRANSPORT (2019-2021)

This project aims to provide trusted positioning information and collective cognition, needed to support automated driving safely. The effectiveness of the solutions developed within this project, and in particular the work done in communication technology, localization and mapping, system architecture, and cyber-resilience, will be illustrated by real demonstrations, conducted in areas full of traffic in real life urban and road environments.

STANDARDS

Basic Support for IPv6 Networks Operating Outside the Context of a Basic Service Set over IEEE Std 802.11 (IETF Standard December 2019)

EXTRA-CIRRICULAR

April, 2021 Tutor of e-learning courses with ISOC: <https://learning.internetsociety.org>

March 24-26, 2021 Keynote at ICACTCE21: "The Role of Standardization Bodies in Research: the IETF as an Example".

02-12-2020 Keynote at Africomm 2020: "Internet protocols development form an Academic perspective".

19-12-2019 Keynote at the Workshop on Smart Technologies and Applications WSTA-2019: "How to use Standards/Standardization in research: the case of the IETF". National School of Applied Sciences of Fez, Morocco.

19-21 November 2019 Participation at IEEE MenaComm'19. Manama, Bahrain.

14-18 October 2019 Visiting teacher (ERASMUS+) University of Cadiz, Spain.

July 2019 Presenting at IETF'105. Montreal, Canada.

June 2019 Track lead at the hackathon in the African Internet Summit 2019. Kampala, Uganda.

January 2019 Participation in the Workshop on Rapid Prototyping of Internet of Things Solutions for Science. ICTP, Trieste, Italy.

November 2018 Presenting at IETF'103. Bangkok, Thailand.

May 2018 Presentation at IEEE ICC'18 in Kansas City, USA.

May 2018 Track lead at the hackathon at the African Internet Summit 2018. Dakar, Senegal.

10-12-2017 Keynote at the Workshop on Innovation and emerging technologies: "From Cloud to Fog Computing: A platform for IoT". National School of Applied Sciences of Fez. Morocco

25 July 2017 Participation in IETF'99. Prague, Czech Republic.

June 2017 Participation in the workshop on Workshop on Open Source Solutions for the Internet of Things. ICTP, Trieste, Italy.

April 2017 Visiting teacher (ERASMUS+) University of Lublin, Poland.

May 2016 Speaker at the 17th Saudi Arabia IPv6 TF meeting: "Declaring IPv4 Historic". Riyadh, Saudi Arabia.

April 2016 Participation in IETF'95. Buenos Aires, Argentina.

8-13 November 2015 Participation in IEEE 802 Plenary. Dallas, USA.

October 2015 Participation in ICANN52. Dublin, Ireland.

March 2015 Participation in IETF'92. Dallas, USA.

June 2014 Participation in ICANN 50. London, UK.

April 2014 Keynote speaker at The 1th International Conference on Wireless Technologies, embedded and Intelligent Systems WITS-2014, Fez, Morocco.

March 2014 Participation in IETF'89. London, UK.

October 2013 Participation in IGF-Bali. Bali, Indonesia.

March 2013 IPv6 trainer at Menog12. Dubai, UAE.

June 2012 Participation in the workshop on Scientific m-learning. ICTP, Trieste, Italy.

October 2012 Participation in IGF-Baku. Baku, Azerbaijan.

LANGUAGE SKILLS

Arabic. Native

English. Full professional proficiency

French. Full professional proficiency