

Universal Acceptance

2023 UASG Elections Nomination for Vice-Chair

2023-04-04

Name: Pr. Nabil Benamar

Bio/Statement of Interest:

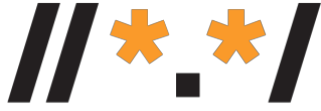
I have always been fascinated by the idea of Universal Acceptance. This is one of the pillars for making Internet for everyone. Indeed, among the main aspects of the early days of Internet until recently, is without doubt, the predominance of English as the language of Internet as well as the Latin script. In fact, this is not surprising if we take into account that Internet is an American invention, and that its development has been initiated in the USA. However, with the spread of Internet all over the world, it has become a universal medium, the major source of information, and no more monolingual. Consequently, the need of a multilingual Internet becomes a necessity to ensure that "Internet is for everyone" is no more a slogan but a reality.

Although some technical challenges have been already solved, there still more to do to achieve the noble goal of a truly multilingual Internet where values like transparency, tolerance, mutual understanding are the main characteristics. It has been said in the Holy Quran: " O mankind, indeed We have created you from male and female and made you peoples and tribes that you may know one another ".

Since 2015, I have joined the Arabic Task Force for IDNs, and since 2020 I served as the chair of this TF, which is one among the important initiatives towards the preservation of the linguistic diversity in the cyberspace. I feel proud of what we have achieved in the TF-AIDNs so far by publishing the Root Zone LGR as well as the second level for the Arabic script-based languages. Our

Universal Acceptance Steering Group

visit/ www.uasg.tech /
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Universal Acceptance

work defined the code point repertoire that is allowed for forming valid domain name labels for the Arabic script.

The second big step toward Universal Acceptance is the email internationalization.

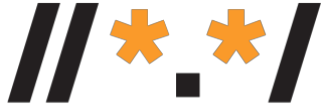
Since 2020, I had the honor and the privilege to chair the UASG measurement WG. It was an opportunity for me to work with amazing colleagues, ICANN staff members, experts from different perspectives. We have already published many reports and assessed different software, tools, and applications. So far, we have assessed Web hosting tools, browsers, social media platforms, e-commerce platforms, identity tools, high level programming languages and many other platforms.

As part of my international engagement, I have presented the work of the measurement WG in various opportunities, ICANN prep-week, ICANN meetings and other regional and local events.

Beside my work and duties with the UASG, I currently work as a Professor of Computer Sciences in two Moroccan universities. My main research topics are Future Generation Networks, Autonomous Driving, IoT, and TinyML. I'm the author of several journal papers and two IETF Standard documents (RFC 8691 and RFC 9365). I'm currently serving as an Associate Editor of the "IEEE Access" journal (IF 3.4) and the "Journal of King Saud University Computer & Information Sciences (IF 8.8). I'm also serving as a TPC member of highly ranked IEEE Flagship conferences (Globecom, ICC, PIMRC, WCNC, etc..) and chaired the IEEE MenaComm'20 conference.

I'm an expert in Internet Governance and was an ISOC Ambassador to IGF(2012 and 2013), Google panelist in the first Arab-IGF, ISOC fellow to IETF'89&92&95&99&103 and ICANN'50&54 fellow.

I would like to express my interest to serve as the vice chair of the UASG to continue serving the community and addressing new UA challenges.



Universal Acceptance

I believe that my experience as the chair of the TF-AIDNs and the UASG measurement WG will help me to assume my new responsibilities to better serve the UASG community.

نبيل بناتو


NABIL BENAMAR

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School of Sciences and Engineering, Al Akhawayn University of Ifrane, Morocco

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WORK EXPERIENCE

Al Akhawayn University in Ifrane

Adjunct Professor of Computer Sciences

School of Technology, Meknes

Full Professor of Computer Sciences

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

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

Organizing Committee of [IWCMC'23](#)

Chair of the Third Edition of [MenaComm'2020](#)

Organizing Committee of IEEE Wireless Communications and Networking Conference [WCNC'2019](#)

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 WIRELESS SENSOR NETWORKS & IOT SYMPOSIUM in [IWCMC'23](#)

TPC Chair of [AFRICOMM'20](#).

IEEE Flagship conferences (Globecom, ICC, PIMRC, WCNC, etc..).

PC member of the Middle East Network Operators Group [MENOG](#).

EDITOR & REVIEWER

Associate Editor of [IEEE Access](#).

Associate Editor of [Journal of King Saud University Computer&Information Systems](#)

Associate Editor of [Wireless Communications and Mobile Computing](#)

Associate Editor of Int. J. of Multimedia Intelligence and Security [IJMIS](#) More details on [Publons](#)

INTERNATIONAL COMMITMENT

Chair of the UASG measurement [WG](#).

Promoting the Universal Acceptance of all valid domain names and email addresses.

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

Chair of the Task Force for AIDNs

I also served as a member of G6 Association for IPv6

and one of the contributors to the IPv6 MOOC.

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

July, 2022, Panelist at the 2022 [Africa Internet Governance Forum](#)

June, 2022 Presentation at the [IWCMC'22](#) conference: "An efficient allocation system for centralized network slicing in LoRaWAN"

May, 2022 Panelist at the [MEDNS Forum](#): "Can More Universal Acceptance of Domain Names Contribute to the Growth of Internationalized Domain Names (IDNs)?"

March, 2022 Keynote at [WNSN'22](#): "Tinyml: When AI meets tiny devices"

December, 2021 Keynote session chair at [Menacomm'21](#) [session1](#) [session2&3](#)

November, 2021 Selected by The New Internet IPv6 Hall of Fame to be part of the distinguished list of inductees for the New Internet 6HoF 2021: [IPv6 Evangelist](#)

November, 2021 Keynote speaker in the 1st Edition of Network and Telecommunications days. ENSA Fes, Morocco. "Why the next AI revolution is Tiny machine learning?"

October, 2021 Participation in the ICTP workshop on [TinyML](#)

July 04-08, 2021 faculty member of the Middle East and Adjoining Countries School on Internet Governance ([MEAC-SIG](#))

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

March 24-26, 2021 Keynote at ICACTCE'21: "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, Senagal.

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