Short CV (major elements - May 2024)
AZIZ-ALAOUI, M.A.
Professor, Applied Mathematics
Le Havre Normandie *University (ULHN),* ***France***
Normandie Université (ComUE)
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Research (see the last sections):

My original area of expertise is the theory of dynamical systems, chaos theory and bifurcations. It has gradually evolved, from the asymptotic analysis of ordinary differential equations (stability, bifurcations, chaos and strange attractors ...) with applications to electric oscillators, 1990-2000, to that of Delay-DE and PDE (from the dynamical system point of view), with applications to life science, 2000-... . Then (2006- ...) to complex systems and networks interaction (mainly, the study of coupled systems of ODEs or PDEs, modeling problems in neuroscience, in ecosystems -predator-prey or in epidemiology).

Scientific publications:

- Articles in international Journals: **119** (see: *http://lmah.univ-lehavre.fr/~alaoui/publications.html)*
- Books: **2** ;
- Book chapters: **16**
- Published special issues: **5** international journals
- Edition of proceedings of conferences or workshops: **17**
- Communications to international conferences: **112** (some with published proceedings).

Career progression:

- 2018 (September): promoted to highest "exceptional class" full professor (CE2)
- 2013 (September): promoted to 1st "exceptional class" full professor (CE1)
- 2010 (February): transfer to UFR-Sciences & Technology of ULHN
- 2008 (September): promoted to 1st class full professor
- 2002 (September): promoted professor at the Inst.Univ.Techno. of Le Havre
- 2001 (January): **Habilitation** to Conduct Research (HDR) in Mathematics
- 1995 (September): assoc.-professor at the University of Le Havre (promoted to 1st class at the CNU)
- 1990 Lecturer (assis.-prof) at the University of Le Havre UFR-ST (2nd class)
- 1990 graduate studies and **PhD** in mathematics from the University of Nice-S.A, France.

Major elective functions:

- Vice-President University of Le Havre, in charge of finance, digital, management, since May 2022
- Vice-President of Normandie University (ComUE), Caen, Le Havre, Rouen (11/2012 - 09/2015)
- Mission Manager of the ComUE (doctoral schools, doctoral student follow-up, professional integration), May-November 2012.
- Vice-President of the Scientific Council of the University of Le Havre (01/2007 - 05/2012)
- Vice-Dean, Research, UFR-ScTechno. of LeHavre, 1994-98

- Vice-Dean, Pedagogy, UFR-Sc.Techno. of LeHavre, 1997-98
- President of the ULHN Mathematical Selection Committees, 25-26 sections of the CNU, since 2009
- Member of the Selection Committee 26th CNU, INSA of Rouen, 98-2001
- Vice-Chairman of the ULHN Specialist Committee, sections 25-26 of the CNU, 2002-2008
- Three-time elected member of the ULHN's scientific council and once of the Board (several times members of different committees: finance, disciplinary, ...)
- Re-elected to the CS (Research board) of the institution, 2012 - 2016
- Twice elected to the board of management of UFR-Sciences and Technologies of ULHN
- Representative of the UFR-ST in the international relations service 1995-99.

Honours, recognition & awards:

- Insignia of the Officer in the Order of Academic Palms (French distinction : promotion July, 2018)
- Insignia of Knight -Chevalier- of the Order of the Academic Palms (French distinction : promotion July, 2012)
- Honorary Professor at Changsha-Hunan University, China, since 31-05-2016
- Honorary Professor at Wuhan-Hubei WTU University China, (Chutian-Scholar), 2011-2014
- PEDR 2018-2022; PEDR 2014-2018; PES 2010-2014 (notes: A, A, A, A); PEDR 2006-10; PEDR 2001-05: The PEDR (Prime d'Encadrement Doctoral et de Recherche) and the PES (Prime d'Excellence Scientifique) are financial awards for academics in France, based on the scientific excellence of the candidate (publications, PhD supervisions, involvement in the community...). It is allocated for 4 years upon the advice of a national committee.
- Member invited to scientific committees or program committees of international conferences: more than 50 times
- Recent invitations abroad as a researcher in the laboratory: about 20 since 2000, from 15 days to one month (China in Beijing, Wuhan, Changsha, Hong-Kong, Canada, USA, Morocco ...)
- Recent international scientific seminars: around 35
- Reports or jury of theses or Habilitation –HDR- since 2001: 4 HDR reports, 12 HDR juries; 30 thesis reports, more than 45 thesis juries
- Editorial Responsibilities:
  - Editor-in-chief, with X. Liu, of the international journal JNSA, since October 2009: http://www.watam.org/JNSA/
  - Associate editor, 6 times, past or current, for international journals, IJBC, DCDISb ...
- Member of the IPACS Board (International Physics and Control Society), for the control and synchronization component, elected in September 2013,
- Member, since June 2013, of the Board of the SFBT (French Society of Theoretical Biology, http://www.sfbt.org/)
- Nominated member of the scientific board of the UMMISCO International Joint Unit, (Math.-Complex Systems Modeling Unit, under the dual supervision of IRD & Univ.Paris6)
- Expert of the ANR (Research Agency) twice, and once for the NSF (USA)
- Expert and member of the evaluation committee of NWO (*Netherlands Foundation of Scientific Research*), for the program Complexity & Self-organization, 2017- ... also for the *Research Foundation Flanders* (FWO), a Belgian public research funding organization.

Supervision and research animation

- Director of the Laboratory of Applied Mathematics (LMAH, FR-CNRS-3335), 2013-2022
- Head of Dynamical Systems team, since 2000
- Co-founder and co-director of the ISCN: Institute of Complex Systems in Normandy: http://isc-n.fr/, (3rd institute of the French national network, RNSC)
- PhD and Habilitation (HDR) supervision: 16 PhD and 4 HDR, defended
- Postdoctoral supervision: 8
- Supervision master's students, about one master-1 and one in master-2 / a year
- (co-) Organization of conferences, workshops, summer-schools (17 published proceedings):
  - 7 international conferences, including ICCSA'2009 and ICCSA'2014: ~180 participants.
  - 5 national conferences
  - 19 workshops in international conferences
  - 2 winter schools and a few days of study. Founder and animator during 3 years (2004-2007) of the cycle of conferences: the essential in 29mn: https://www.univ-lehavre.fr/spip.php?article969
- Member of different scientific societies, mathematical networks, national, international, or GDR.

Transfer and valorization of research:

- Scientific coordinator of 9 CPER (Region of Normandie research program) projects since 2008
- Co-founder with a computer scientist of ERDF project, 2008-2014 (RISC: Interaction Networks and Complex Systems), with 10 laboratories from Le Havre and Rouen, total amount of the ~ 2 M.K.euros project.
- Co-founder of another ERDF (called Xterm) 2016-2019, and an **ANR** starting in 2017
- Head of other contracts: PEPS-CNRS, PHC, IFCAM ...
- (co-) Facilitator of the valuation and transfer commission of Normandy University (2012-2015).

Pedagogical responsibilities and teaching:

- Editor and coordinator of the Master of Mathematics and Applications, LMD4, (2017- 2023)
- Co-founder and coordinator of the ULHN (Le Havre university) Mathematics & Computer Science Master (2004-2017)
- Co-head of the research course of this ULHN master (2004-2017)
- Editing, alone, of the ULHN Master of Mathematics, 1998
- Installation, alone, of the MIM in 1994 (Master of Mathematical Engineering of the ULHN)
- Editing, with a colleague from the department, the ULHN's mathematics license (Bachelor), in 1993
- Teaching: I provide, or have taught, courses or TD (or TP), at any level (L1, L2, L3, IUT-1 and 2 in GEII, Master-1 and Master-2): calculus, analysis, algebra, probability -statistics, matrix numerical analysis, graphs, optimization, differential equations, math-Bio modeling, dynamical systems, bifurcation theory ...

More details here: http://lmah.univ-lehavre.fr/~alaoui/