

PERSONAL INFORMATION

Cristian OARA



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Sex M | Date of birth 01/03/1968 | Nationality Romanian

WORK EXPERIENCE

- 2004-present **Professor at the Department of Automatic Control and Systems Engineering**
 Faculty of Automatic Control and Computers, University Politehnica of Bucharest (UPB), Bucharest, Romania

 - Director of the Department of Automatic Control and Systems Engineering (from 2012)
 - Director of the Master Program “Advances Techniques in Signals and Systems”, UPB (from 2009)
 - Professor (from 2004), PhD advisor (from 2009)
 - Head of the Group and Laboratory “Dynamical Systems and Optimization” (from 2001)
 - Research Assistant, Assistant Professor, Lecturer, Associate Professor at Faculty of Automatic Control and Computers, UPB (1992-2004)

[Academic sector](#)

- 1999-2000 **Researcher at Department of Engineering,**
 Cambridge University, Cambridge, England, United Kingdom

[Academic sector](#)

- 1997-1999 **Alexander von Humboldt Fellow**
 Institute of Robotics and System Dynamics, German Aerospace Center (DLR), Oberpfaffenhofen-Wessling, Germany

[Research sector](#)

- 1995-1997 **Postdoctoral Fellow and NATO Research Fellow**
 Center of Systems Engineering and Applied Mechanics (CESAME), Universite Catholique de Louvain, Louvain-la-Neuve, Belgium

[Academic sector](#)

EDUCATION AND TRAINING

- 1993-1995 **PhD Thesis** EQF level 8
 Faculty of Automatic Control and Computers, University Polytechnica of Bucharest

 - Doctor Engineer Diploma, thesis: “Generalized Riccati Theory: A Popov function Approach (Extended Hamiltonian and Symplectic Pencils, the Signature Condition, Singular Perturbations and Applications)”

- 1987-1992 **Engineer Diploma** EQF level 6
 Faculty of Automatic Control and Computers, University Polytechnica of Bucharest

- 1993-1995 **High School** EQF level 5
 Lyceum “Mihai Viteazul”, Bucharest, Romania (mathematics and physics), Diploma of “Bacalaureat”

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	B1	B1	B1	B1	B1
German	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills ▪ good communication skills gained through experience as Head of Department

Organisational / managerial skills ▪ leadership (currently responsible for an academic team of 30 people)

Computer skills ▪ good command of academic related tools (Matlab, Latex environments)

Driving licence ▪ B

ADDITIONAL INFORMATION

- Publications
- Projects
- Conferences
- Honours and awards
- Memberships

35 papers published in leading ISI journals (among which 27 in Q1 according to IF/AIS, e.g., Automatica, IEEE Transactions on Automatic Control, SIAM Journal on Control and Optimization, International Journal of Control, Linear Algebra and Its Applications, Systems & Control Letters, International Journal of Robust and Nonlinear Control, etc);

Sum of IF of all publications > 70;

Citations (h-index): ISI 300 (9), Scopus 400 (11), Google 900 (14)

12 books/book chapters published in leading International/National Publishing Houses (Wiley, Springer, Diderot, Ed. Academiei);

Over 60 papers in Proceedings of leading international conferences, e.g., Conference on Decision and Control (1995, 1996, 1997, 1998, 2009, 2011, 2013, 2015), American Control Conference (1997, 2000, 2001, 2002, 2010, 2011, 2013, 2015), European Control Conference (1995, 1997, 1999, 2009, 2014), Mathematical Theory of Network and Systems (1996, 1998, 2000, 2004, 2008, 2010, 2012), various IFAC Conferences (1995, 1998, 2009), etc.

Commission of trust:

- Associate editor IEEE Transactions on Automatic Control (1999-2002) - the worldwide leading journal in control systems;
- Associate editor International Journal of Control, Taylor & Francis (2001-2007);
- Editorial board for monographs John Wiley & Sons (2000-2015);
- Expert evaluator for EC/ Romanian/EU & USA R&D Programmes (since 2000);
- CNATDCU: General Assembly, vicepresident of Engineering Panel (2010-2012), member 2016;
- ANCS, Member of the General Consultative Committee;
- Romanian representative EUCA European Control Association (since 2013);
- IFAC Committee on Robust Control (since 2005).

Invited professor/lecturer:

- University of Groningen (The Netherlands);
- KU Leuven, University of Namur (Belgium);
- University of Oxford (UK);
- National University of Kyoto (Japan);
- University of Newcastle (Australia);
- National University of Singapore (Singapore);
- University of Illinois at Urbana Champaign, University of California at Los Angeles, University of Maryland, University of California at Davis (USA);
- SUPELEC, Universite de Lorraine (France).

Research grants:

- Principal Investigator in 5 research grants with World Bank, AvH Foundation, CNCSIS and CNCS, total value > 500 000 Euro;
- Participant in 7 research grants.

