

## PERSONAL INFORMATION

Family name, First name: Lazar, Mircea, Dr. (M)

Researcher unique identifier (Research ID): B-9644-2017

Date of birth: 04-03-1978

Nationality: Netherlands

URL for web site: <https://www.tue.nl/en/research/researchers/mircea-lazar/>



### • EDUCATION

- 2006 *PhD in Control Engineering*  
Electrical Engineering, Eindhoven University of Technology, The Netherlands  
Title: “Model predictive control of hybrid systems: Stability and robustness”  
PhD Supervisors: Prof. W.P.M.H. Heemels, Prof. P.P.J. van den Bosch
- 2002 *Master of Science in Control Engineering*  
Automatic Control and Computer Engineering, “Gh. Asachi” Technical University of Iași, Romania

### • CURRENT POSITION(S)

- 2017 – now *Associate Professor* (Position title: “[Constrained control of nonlinear systems](#)”, level 1 – senior Associate Professor position)
- 2021 – now *Board member* of the DISC (Dutch Institute of Systems and Control)  
Electrical Engineering, Eindhoven University of Technology, The Netherlands
- 2023 – now *Program Leader* of the Interdepartmental MSc program [Artificial Intelligence and Engineering Systems](#), Eindhoven University of Technology, The Netherlands

### • FELLOWSHIPS AND AWARDS

- 2005 – 2005 *Marie Courie Fellow*, Control Training Site program, Dept. of Engineering and Automatic Control, Univ. of Siena, Italy; Host: Prof. A. Bemporad (7000 EUR)
- 2007 The EECI (European Embedded Control Institute) [PhD award for the Best PhD thesis in Europe on Networked and Embedded Control](#). 500 EUR (reserved for top 2% theses in advanced control in Europe, highly competitive)
- 2008 – 2011 [Veni personal grant, NWO \(Dutch research council\)](#), Flexible Lyapunov functions for real-time control, Eindhoven University of Technology, salary costs to spend time exclusively on research (220kEUR) (highly prestigious, top 5% across all engineering and applied sciences in the Netherlands)
- 2022 Co-author of a paper that won the [Best student paper award](#) at the *18<sup>th</sup> IFAC Workshop on Control Applications of Optimization*, July 18-22, Gif-sur-Yvette, France (best out of 5 top selected papers out of more than 80 papers)
- 2023 [Semi-plenary speaker at the European Control Conference 2023](#), Bucharest, Romania

### • SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

- 2016 – now Supervisor of [4 ongoing PhD students](#): MSc. M. Bolderman (4<sup>th</sup> year), MSc. X. Duo (3<sup>rd</sup> year), MSc. V.D. Reyes Dreke (3<sup>rd</sup> year), MSc. P. Verheijen (2<sup>nd</sup> year)  
Electrical Engineering, Eindhoven University of Technology, The Netherlands
- 2011 – 2022 Supervisor of [3 PostDocs](#): Dr. N. Athanopoulos (Senior Lecturer, Queen’s Univ. Belfast), Dr. V. Spinu, Dr. Y. Chen (Assistant Professor, Fuzhou Univ. China)
- 2006 – 2022 Supervisor of [11 graduated PhD students](#): Dr. A. Jokic (Assistant Professor, Univ. of Zagreb, Croatia) Dr. C. Böhm ([Cum laude – top 5%](#)), Dr. J. Sijs, Dr. R.M. Hermans, Dr. R.H. Gielen ([Cum laude](#)), Dr. V. Spinu, Dr. A.I. Doban, T.T. Nguyen, R.V. Bobiti, J. Hanema ([Cum laude](#)), T.R.V. Steentjes, Electrical Engineering, Eindhoven University of Technology, The Netherlands

### • TEACHING ACTIVITIES

- 2009 – now Responsible Lecturer: Model Predictive Control, MSc Elective (70 students)
- 2015 – now Responsible Lecturer: *Systems*, Bachelor Core Course, (300 students)

2023 – now [Responsible Lecturer: Model Predictive Control](#), DISC PhD National Course

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2012- 2016 Co-organizer, [Benelux Meeting for Systems and Control](#), Netherlands, 3 times  
2012 [General Chair, 4<sup>th</sup> IFAC Conference on Nonlinear Model Predictive Control](#),

Netherlands (reserved for the most senior and/or influential researchers in our field, the conference is the top world event in Nonlinear MPC and takes place once every 3 years)

2023 Co-organizer, [DISC Summer School on Control of Power Systems](#), Netherlands

2007 – 2023 [Co-organizer of 7 Invited Sessions at Peer Reviewed Conferences](#) (IFAC Nonlinear Control Systems, IFAC Time Delay Workshop, IFAC Analysis and Design of Hybrid Systems, American Control Conference, IEEE Conference on Decision and Control, European Control Conference, IEEE Conference on Control Technology and Applications)

2012 – 2023 [Member of International Program Committee of several Conferences](#) (associate editor role that asks for reviews and provides decisions, reserved for senior well known researchers): IFAC ADHS, IFAC NMPC, IFAC World Congress, IEEE CDC, ACC, HSCC

2019 – 2024 [Member of the Conference Editorial Board of the European Control Conference](#)

- **INSTITUTIONAL RESPONSIBILITIES**

201? – Member of the BAC Electrical Engineering (committee for appointing new staff members or promoting existing ones to any scale: assistant, associate or full professor)

- **REVIEWING ACTIVITIES**

2016 – now Reviewer, Evaluation of Quality of Research – Italian Research Assessment, VQR

2013 – now [Reviewer for European Commission, ERC Starting Grant, ERC Advanced Grant](#)

2013 - 2016 Reviewer of grant applications for Flemish Research Organization (FWO), Belgium

2011 – 2013 Reviewer, Evaluation of Quality of Research – Greek Research Assessment, VQR

2010 – 2016 Paid Book Reviewer, Springer (5 books), Wiley (1 book)

2011 – 2016 Associate Editor, [IFAC Journal of Nonlinear Analysis: Hybrid Systems](#)

2020 – now [Associate Editor, IEEE Transactions on Automatic Control](#)

2009 – 2011 Associate Editor, [IEEE CSS Conference Editorial Board](#)

2004 – now [Reviewer for 13 journals in Control theory, Mathematics and Engineering fields](#); articles reviewed for the 2 top journals in the field: *Automatica* (150 articles, *Outstanding Reviewer* distinction), *IEEE Transactions on Automatic Control* (120 articles, *Outstanding Reviewer* distinction)

2010 – now [External member in PhD committees outside my own university](#): Oxford University, UK, Chalmers University; KTH Stockholm, Sweden, University of Stuttgart, Germany, ONERA (France Aerospace), Univ. of Ghent, Belgium, Delft University of Technology, NL, Politecnico di Milano; University of Trento, Italy

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2011 – 2016 [Chair of the IEEE Control Systems Society Technical Committee on Hybrid Systems](#) (leading position in our field, reserved for most senior and/or high impact researchers)

2012 – now Member of [IFAC Technical Committees](#): TC 2.3 Non-linear Control Systems, TC 1.3 Discrete Event and Hybrid Systems

- **PUBLICATION RECORD**

In the last 10 years I published 37 journal papers (63 overall) in peer reviewed journals and 76 conference papers and book chapters (more than 150 overall) also peer reviewed. Out of these, I published [13 papers in Automatica](#) and [15 in IEEE Transactions on Automatic Control](#).

- [Citation indexes](#): Google Scholar [H-index 37](#); Web of Science [H-index 26](#); Research.com: [D-index 30](#) (discipline specific H-index).

Dr. Mircea Lazar, 03-07-2024, Eindhoven