

Curriculum vitae

(July 2024)



PERSONAL INFORMATION

Family name, First name: RUDERMAN MICHAEL
Date of birth: 16.07.1976
Civil status: married
Citizenship: German
Researcher unique identifiers: ORCID: 0000-0002-7021-8713, Scopus author ID: 25651934300
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EDUCATION

2012 Dr.-Ing. (magna cum laude), disputation: 08.05.2012
Faculty of Electrical Engineering and Information Technology, Technical University (TU)
Dortmund, Germany
2005 Dipl.-Inf. in computer and electrical engineering
Faculty of Computer Sciences / Faculty of Electrical Engineering and Information
Technology, TU Dortmund, Germany

CURRENT AND PREVIOUS POSITIONS

2020-present Full Professor
University of Agder (UiA), Norway
2015-2020 Associate Professor
University of Agder (UiA), Norway
2015-2015 Specially appointed Associate Professor
Nagaoka University of Technology, Japan
2013-2015 Specially appointed Assistant Professor
Nagoya Institute of Technology, Japan
2006-2013 Research Associate
Institute of Control Theory and Systems Engineering, TU Dortmund, Germany

FELLOWSHIPS AND AWARDS

2015 Senior Member IEEE (Institute of Electrical and Electronics Engineers)
2017-2022 Marie Skłodowska-Curie fellow

SUPERVISION OF RESEARCH FELLOWS

2016-2020 PhD research fellow at UiA, main supervisor, defended PhD dissertation
2018-2021 PhD research fellow at UiA, main supervisor, unfinished PhD dissertation
2020-2023 PhD research fellow at UT Dallas (US), co-supervisor, running project
2022-2025 PhD research fellow at TU-Ilmenau (Germany), co-supervisor, running project
2021-2024 PhD research fellow at UNAM (Mexico), co-supervisor, running project

TEACHING

2015-2020 Lecturer and course responsible, "Control Theory" in MSc-program, UiA
2021-present Lecturer and course responsible, "Feedback Control Systems" in BSc-program, UiA
2017-present Lecturer and course responsible, "Advanced Control and Robotics" in PhD-program, UiA
2022-present Lecturer and course responsible, "Electromagnetic Modelling" in PhD-program, UiA

ORGANISATION OF SCIENTIFIC MEETINGS

- 2018-present* Program Co-Chair of IEEE-IES conferences: AMC2018, ICM2019, ICM2021, ISIE2021, AMC2022, AMC2024, ICM2025
- 2020, 2023* General Chair of IEEE-IES conferences: AMC2020, ICM2023
- 2018-2023* Technical-Program- / Track-Co-Chair at IEEE-IES ISIE and IECON conferences
- 2014-2023* Organizer of several Special Sessions and Tutorials at IEEE-IES conferences
- 2022-2023* AdCom member (with voting) of IEEE-IES
- 2018-2021* Chair of IEEE-IES Technical Committee on Motion Control (TCMC)

INSTITUTIONAL RESPONSIBILITIES

- 2015-present* Member of the PhD Programme Committee Engineering (PPCE), UiA

EDITORIAL AND COMMITTEES WORK

- 2024-present* Editorial Board – Associate Editor, IEEE Transactions on Control Systems Technology
- 2024-present* Editorial Board – Associate Editor, IFAC Control Engineering Practice Journal
- 2015-present* Editorial Board – Associate Editor, IFAC Mechatronics Journal
- 2019-2020* Editorial Board – Technical Editor, IEEE/ASME Transactions on Mechatronics
- 2022-2023* Guest Editor of Special Issue in IFAC Control Engineering Practice Journal
- 2019-2020* Guest Editor of Special Section in IEEE Transactions on Industrial Electronics
- 2017-2018* Guest Editor of Special Section in IEEE Transactions on Industrial Informatics
- 2017-present* Member of International Program Committee of IFAC World Congresses 2017, 2020, 2023
- 2022-present* Member of International Program Committee of VSS conferences of IEEE-CSS
- 2020-present* Member of Management Committee, IEEE/ASME Transactions on Mechatronics
- 2013-present* Member of Technical Committees: IEEE-IES-TCMC, -TC-SA, -TCFA; IFAC-TC 4.2
- 2019-present* Member of Executive Committee of Technical Committee on Variable Structure and Sliding Mode Control (TCVSSMC) of IEEE-CSS
- 2012-present* Regular reviewer for several IEEE, IFAC, ASME journals and conferences

MEMBERSHIPS IN SCIENTIFIC SOCIETIES

- 2007-* VDI – Association of German Engineers
- 2008-* IEEE – Institute of Electrical and Electronics Engineers
- 2011-* IEEE-IES – Industrial Electronics Society
- 2012-* IEEE-CSS – Control Systems Society

TRACK RECORDS

Publications: H-index 20 (Scopus), 25 (Google Scholar);
1 book, 1 book-chapter, 46 peer-reviewed international journal articles, 92 peer-reviewed international conference papers, 6 submissions under review

Externally funded projects with leadership role

2024: DAAD University Academics and Scientists fellowship – mobility grant for Germany

2023-2024: RCN AURORA project (RCN#340782) – Equivalent nonlinear control methods for digitalization in robotics and autonomous systems. At UiA – Project Leader and PI

2017-2022: H2020-MSCA-RISE project Clover (EC#734832) – Robust control, state estimation and disturbance compensation for highly dynamic environmental mechatronic systems (consortium coordination with TU Ilmenau, Germany). At UiA – PI and Leader of WP2

2021-2021: RCN IS-DAAD project (RCN#320067) – New Compensators for Non-Minimum Phase Systems. At UiA – Project Leader and PI

2019-2020: RCN IS-DAAD project (RCN#294835) – Dynamics and Control of Fractional-Order Systems. At UiA – Project Leader and PI