

Curriculum vitae

(Oct 2021)



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, completed project
2018-2021 PhD research fellow at UiA, main supervisor, running project
2020-2023 PhD research fellow at UT Dallas, co-supervisor, running project
2021-2024 PhD research fellow at TU-Ilmenau, 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

ORGANISATION OF SCIENTIFIC MEETINGS

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

INSTITUTIONAL RESPONSIBILITIES

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

EDITORIAL AND COMMITTEES WORK

- 2019-2020 Member of Editorial Board (Technical Editor), IEEE/ASME Transactions on Mechatronics
2021-2022 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
2022-2023 Guest Editor of Special Issue in IFAC Control Engineering Practice Journal
2015-present Member of Editorial Board (Associate Editor), IFAC Mechatronics Journal
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-present VDI – Association of German Engineers
2008-present IEEE – Institute of Electrical and Electronics Engineers
2011-present IEEE-IES – Industrial Electronics Society
2012-present IEEE-CSS – Control Systems Society

TRACK RECORDS

Publications: h-index 17 (Scopus), 21 (Google Scholar)
39 published peer-reviewed international journal articles, 1 book chapter, 82 peer-reviewed international conference papers, 2 journal articles under review

Recent research projects with leadership role

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

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

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