Institute for Systems Theory and Automatic Control University of Stuttgart
Pfaffenwaldring 9
70569 Stuttgart

Phone: +49 (0) 151.6816.1136 Skype-ID: simonniederlaender Email: niederlaender@ist.uni-stuttgart.de URL: https://niederlaender.github.io

10000 Stategare	
RESEARCH INTERE	STS
Convex Optimizat	ion; Dynamical Systems; Monotone Operators; Systems and Control
APPOINTMENTS	
since $11/2021$	Systems and Control Engineer MTU Aero Engines AG, Munich, Germany
10/2014– $07/2015$	Graduate Research Assistant Department of Mechanical and Aerospace Engineering University of California, San Diego, CA, USA Advisor: Prof. Jorge Cortés
06/2012 – 09/2012	Undergraduate Research Assistant Department of Electrical and Computer Engineering National University of Singapore, Singapore
EDUCATION	
09/2015 - 10/2021	Ph.D., Mechanical Engineering Institute for Systems Theory and Automatic Control University of Stuttgart, Germany Advisor: Prof. DrIng. Frank Allgöwer
10/2012 – 08/2015	M.Sc., Engineering Cybernetics University of Stuttgart, Germany
10/2008 – 09/2012	B.Eng., Mechanical Engineering Deggendorf Institute of Technology, Germany
Honors and Awa	RDS
2015	Jacobs Fellowship, University of California, San Diego (declined)
2014 – 2015	Dr. Jürgen und Irmgard Ulderup Fellowship
2011–2015	Fellow of German Academic Scholarship Foundation (Studienstiftung des deutschen Volkes)
2010–2012	Fellow of German Academic Exchange Service (Deutscher Akademischer Austauschdienst)
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2020-2021	Systems and Control (Undergraduate Course), University of Stuttgart
2016-2020	Nonlinear Control (Graduate Course), University of Stuttgart
Summer 2019	Convex Optimization (Graduate Course), University of Stuttgart
Winter 2017	Introduction to Automatic Control (Undergraduate Course), University of Stuttgart
Winter 2015	Introduction to Adaptive Control (Graduate Course), University of Stuttgart

INVITED TALKS _

- 01/2023 **Learning and Dynamical Systems Group**, Max Planck Institute for Intelligent Systems, Tübingen, Germany
- 11/2022 Research Seminar Dynamical Systems, University of Passau, Germany

Professional Service _____

Membership in Professional Societies

- since 2015 Society of Industrial and Applied Mathematics (SIAM)
- since 2014 Institute of Electrical and Electronics Engineers (IEEE)
- since 2014 Control Systems Society (CSS)

Reviewer

Automatica; IEEE Control Systems Letters; IEEE Transactions on Automatic Control; Optimization; SIAM Journal on Control and Optimization

Publications ____

Journal Articles

- [J-03] S. K. Niederländer, On the Arrow-Hurwicz differential system for linearly constrained convex minimization, Optimization (2022), submitted.
- [J-02] S. K. Niederländer, Second-order dynamics with Hessian-driven damping for linearly constrained convex minimization, SIAM J. Control Optim., 59 (2021), pp. 3708-3736.
- [J-01] J. Cortés and S. K. Niederländer, Distributed coordination for nonsmooth convex optimization via saddle-point dynamics, J. Nonlinear Sci., 29 (2019), pp. 1247-1272.

Conference Proceedings

- [C-02] S. K. Niederländer, F. Allgöwer and J. Cortés, Exponentially fast distributed coordination for nonsmooth convex optimization, in Proc. IEEE Conf. Decis. Control, Las Vegas, NV, USA, 2016, pp. 1036-1041.
- [C-01] S. K. Niederländer and J. Cortés, Distributed coordination for separable convex optimization with coupling constraints, in Proc. IEEE Conf. Decis. Control, Osaka, Japan, 2015, pp. 694-699.

References __

Prof. Dr.-Ing. Frank Allgöwer

Institute for Systems Theory and Automatic Control

University of Stuttgart, Germany

Email: frank.allgower@ist.uni-stuttgart.de URL: http://www.ist.uni-stuttgart.de

Prof. Dr.-Ing. Christian Ebenbauer

Chair of Intelligent Control Systems RWTH Aachen University, Germany

Email: christian.ebenbauer@ic.rwth-aachen.de URL: https://www.ic.rwth-aachen.de/