

Curriculum Vitae

Dimos V. Dimarogonas, PhD

Office Address

School of Electrical Engineering and Computer Science (EECS)
Decision and Control Systems
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Date of Birth: June 17th, 1978, Athens, GREECE

Citizenship: Greek

EDUCATION

PhD in Mechanical Engineering: **National Technical University of Athens**

Athens, GREECE (3/2002-3/2007)

Dissertation Title: “*Development of Decentralized Hybrid Control Methodologies with Application to the Collision Avoidance Problem*”

Advisor: Prof. Kostas Kyriakopoulos

Eng. Diploma: **National Technical University of Athens** Athens, GREECE

Diploma in Electrical and Computer Engineering, Telecommunications Section
(9/1996-9/2001)

Dipl. Thesis Title: “*Max-Plus Control of Discrete-Event Dynamical Systems*”

Advisor: Prof. Petros Maragos

GPA: 8.15/10.0.

Docent in Automatic Control, **KTH Royal Institute Of Technology**, 2012.

RESEARCH INTERESTS

Multi-Agent Systems, Autonomous Robots, Networked Control, Air Traffic Control, Hybrid Systems and Control, Distributed Formal Methods.

PROFESSIONAL EXPERIENCE

Automatic Control Dept., School of Electrical Eng., KTH Royal Inst. Of Technology
Stockholm, SWEDEN

5/2017-

Professor

Automatic Control Dept., School of Electrical Eng., KTH Royal Inst. Of Technology
Stockholm, SWEDEN

4/2014-4/2017

Associate Professor, (Swedish: Universitetslektor)

Automatic Control Dept., School of Electrical Eng., KTH Royal Inst. Of Technology
Stockholm, SWEDEN

10/2010- 3/2014

Assistant Professor, (Swedish: Bitr. Universitetslektor)

Greek Army (Στρατός Ήλλάδας), fulfillment of compulsory military service

Greece

5/2010-9/2010

Laboratory for Information and Decision Systems, Massachusetts Inst. Of Technology (MIT)

Cambridge, MA, USA

2/2009-3/2010:

Post Doctoral Research Associate

Research Supervisor: Professor Emilio Frazzoli.

Automatic Control Dept., School of Electrical Eng., KTH Royal Inst. Of Technology
Stockholm, SWEDEN

5/2007-2/2009:

KTH ACCESS Postdoc (selected among 100 candidates both in 2007 and 2008)

Research Supervisor: Professor Karl Henrik Johansson.

Control Sys. Lab., Mech. Eng. Dept., National Tech. Univ. of Athens

Athens, GREECE

3/2002-3/2007:

PhD Candidate

Advisor: Professor Kostas J. Kyriakopoulos.

ACTIVITIES

PROJECTS

Swedish Research Council (VR), “Refinable Hybrid Control Synthesis for Multi-agent Systems”, Principal Investigator (PI), 2018-2022.

Wallenberg Autonomous Systems Program WASP-NTU Collaboration Project, “Scalable Multi-Robot Sensor Fusion, Localization, Navigation, and Control”, KTH Principal Investigator (PI), 2018-2021.

Wallenberg Academy Fellow grant, Principal Investigator (PI), 2016-2021.

ERC Starting Grant BUCOPHSYS, H2020, “Bottom-up hybrid control and planning synthesis with application to multi-robot multi-human coordination”, Principal Investigator (PI), 2015-2020.

SSF Smart Systems COIN, “Co-adaptive human-robot interactive systems”, Swedish Foundation for Strategic Research 2015 Smart Systems Call, Coordinator and Principal Investigator (PI), 2016-2021.

EU H2020 Project Co4Robots, “Achieving Complex Collaborative Missions via Decentralized Control and Coordination of Interacting Robots”, H2020 Programme of the European Commission, Coordinator and Principal Investigator (PI), 2017-2020.

Knut and Alice Wallenberg Foundation Project IPSYS, “Interactive Physical Systems: Moduli Spaces, Inference and Control”, co-Principal Investigator (co-PI), 2015-2020.

EU H2020 Project AEROWORKS, “Collaborative Aerial Workers”, Principal Investigator (PI), 2015-2018.

Swedish Research Council (VR), “Robust hybrid controller synthesis for multi-agent systems from local task specifications”, Principal Investigator (PI), 2014-2018.

SRA ICT TNG Faculty project TouCHES, 1.5 MSEK, Principal Investigator (PI), Coordinator: Prof. Carlo Fischione, SRA ICT TNG Program, 2016-2019.

SRA ICT TNG Faculty project STaRT, 1.5 MSEK, Principal Investigator (PI), Coordinator: Prof. Jana Tumova, SRA ICT TNG Program, 2017-2020.

EU STREP FP7 Project COMPANION, " COoperative dynamic forMation of Platoons for sAfe and eNergy-optImized gOods transportation", FP7 Programme of the European Commission, co-Principal Investigator (co-PI), 2013-2016.

KTH ACCESS High Risk High Payoff Project, Shaping up networked systems through controlling their statistical moments, with Xiaoming Hu, 2013-2015.

EU STREP FP7 Project RECONFIG, "Cognitive, Decentralized Coordination of Heterogeneous Multi-Robot Systems via Reconfigurable Task Planning", FP7 Programme of the European Commission, Coordinator and Principal Investigator (PI), 2013-2016.

Swedish Research Council (VR), via grant 2009-3948, "Decentralized control of multi-agent systems with limited communication capabilities", Principal Investigator (PI), 2010-2014.

Swedish Research Council (VR), NSF-VR Nordic Research Opportunity Program, Principal Investigator (PI), 2012.

KTH funding for the project Situated Audio Visual Interaction with Robots (SAVIR), KTH Strategic Research Area, The Next Generation: Human Robot Interaction, Robotic Focus Project, co-PI, 2010-2011.

Member of the NASA sponsored project "IDEAS: Influence of Degraded Environment on Airspace Safety". NASA, 2008-2011.

Member of the project "TAIS AURES: Cooperative guard and search:flexible autonomous UGV systems". Swedish Governmental Agency for Innovation Systems, 2007-2009.

Project Leader of the ACCESS Linnaeus Center Project on Wireless Sensing and Actuation. Research on coding, control and estimation for wireless sensor and actuator networks, 2008.

Member of the EU STREP Project ISWARM, "Intelligent Small World Autonomous Robots for Micro-Manipulation", (IST-2004-507006). European Commission, FP6-2002-IST-1, (IST Future and Emerging Technologies, Integrated Project - IP) 2004-7.

Work Package Leader of the EU STREP Project HYBRIDGE, "Distributed Control and Stochastic Analysis of Hybrid Systems Supporting Safety Critical Real-Time Systems Design", IST-2001-32460, 2002-2005.

SUPERVISION

Current Postdocs

Andrea Bisoffi, PhD from University of Trento, from March 2017.

Dionysis Theodosis, PhD from NTUA, from April 2017.

Wei Ren, PhD from Univ. of Science and Technology of China, from August 2018.

Shahab Heshmati-alamdari, PhD from NTUA, from January 2019.

Wenceslao Shaw-Cortez, PhD from University of Melbourne, from March 2019.

Christoforos Keroglou, PhD from University of Cyprus, from May 2019.

Former Postdocs

[Soulaimane Berkane](#), PhD from University of Western Ontario, 2018-2019. Now Assistant Professor at the University of Quebec in Outaouais.

[Pedro Miraldo](#), PhD from University of Coimbra, 2018-2019.

[Kazumune Hashimoto](#), PhD from Keio University, Japan, April 2018-Oct 2018. Now Assistant Professor at Osaka University.

[Dimitris Boskos](#), PhD from National Technical University of Athens, 2014-2018. Now Postdoc at UC San Diego.

Jana Tumova, PhD from Masaryk University, 2013-16. Currently Assistant Professor at KTH, Sweden.

[Pierre-Jean Meyer](#), PhD from University of Grenoble, 2015-2017. Now Postdoc at UC Berkeley.

[Leonardo Colombo](#), PhD from Instituto de Ciencias Matematicas (CSIC-UAM-UCM-UC3M), 2017-2018.

[Meng Guo](#), PhD from KTH, 2017-2018. Now at Bosch Stuttgart.

Tao Yang, KTH, PhD from Washington State University, co-supervised with Prof. Karl Henrik Johansson, 2012-14. Currently Assistant Professor at Univ. North Texas, USA.

Ziyang Meng, KTH, PhD from Shanghai Jiaotong University, co-supervised with Prof. Karl Henrik Johansson, 2012-14. Currently Ass. Professor at Tsinghua Univ., China.

Yiannis Karayiannidis, KTH, PhD from AUTH, co-supervised with Prof. Danica Kragic, 2011. Currently Assistant Professor at Chalmers, Sweden.

Davide Liuzza, KTH, PhD from Univ. of Naples, co-supervised with Prof. Karl Henrik Johansson, 2013-2015.

Current PhD Students

Pedro Roque, KTH EECS, from 2019.

Xiao Tan, KTH EECS, from 2018.

Fei Chen, KTH EECS, from 2018.

Peter Varnai, KTH EECS, from 2017.

[Lars Lindemann](#), KTH EECS, from 2016.

[Sofie Andersson](#), KTH EECS, from 2016.

[Pian Yu](#), KTH EECS, from 2016.

[Alexandros Nikou](#), KTH EECS, from 2015.

[Christos Verginis](#), KTH EECS, from 2015.

Former PhD students

[Philipp Schillinger](#), KTH EECS, Bosch Industrial PhD student, co-supervisor Dr. Mathias Buerger (Bosch), 2015-2019. Now at Bosch Stuttgart.

[Pedro Pereira](#), KTH EECS, co-supervisor Prof. Jana Tumova, 2014-2019.

[Sebastian van de Hoef](#), KTH EECS, co-supervisor Prof. Karl Henrik Johansson, 2013-2018.

[Antonio Adaldo](#), KTH EECS, co-supervised with Prof. Karl H. Johansson, 2014-2018. Now at Mathworks, Cambridge, UK.

Meng Guo, KTH, 2011-2016. Now at Bosch.

Kazumune Hashimoto, Keio University, Japan, co-supervised with Prof Suichi Adachi, graduated 2018. Now postdoc at KTH.

Meng Guo, KTH, 2011-2016.

Giannis Roussos, NTUA, co-supervised with Prof. Kostas J. Kyriakopoulos, 2008-2010.

Alina Eqtami, NTUA, co-supervised with Prof. Kostas J. Kyriakopoulos, from 2008, graduated August 2013.

Yuencheng Yang, KTH Opt&Sys, co-supervised with Prof. Xiaoming Hu, 2011-2016.

Alejandro Marzinotto, KTH CSC CVAP, co-supervised with Prof. Danica Kragic, 2013-2017.

Michele Colledanchise, KTH CSC CVAP, co-supervised with Prof. Petter Ogren, 2013-2017.

[Martin Andreasson](#), KTH EES, co-supervised with Prof. Henrik Sandberg and Prof. Karl H. Johansson, from 2011.

MS Thesis

Jonathan Blixt, “Learning-Based Auto-Tuning for Motion Controllers of Mobile Robots”, KTH EECS, 2019, with Ocado.

Nicola Lissandrini, “Non-linear Model Predictive Control for Ground-Aerial Cooperative Robots”, KTH EECS, 2019, with Univ. of Padova.

Jakub Nowak, “Robust Control of Coupled Multi-robot Systems under Signal Temporal Logic Specifications with Collision Avoidance”, KTH EECS, 2018.

Tengfan Lin, “A Graphical User Interface for the Hybrid Control of Multi-Robot Systems under Linear Temporal Logic”, KTH EECS, 2018.

Lukas Schönbächler, “A Graphical User Interface for the Hybrid Control of Multi-Robot Systems under Linear Temporal Logic”, KTH EECS, 2018, with ETHZ.

Ruth Aleksandrauskaite, “Analysis of Velocity Estimation Methods for High-Performance Motion Control Systems”, KTH EECS, 2018, with Mycronic AB.

Nadine Drollinger, “Developing a System for Robust Planning using Linear Temporal Logic”, KTH EECS, 2018.

Yu Wang, “Cooperative Transportation of Mobile Manipulators with Collision Avoidance”, KTH EECS, 2018.

Pedro Roque, “Heterogeneous Collaborative Aerial Manipulation”, KTH EECS, 2017.

Daniel Müller, “Trajectory generation under metric interval temporal logic specification”, KTH EES, 2017, with Univ. Stuttgart.

Imran Khan, “Decentralized Navigation of Multiple Quadrotors using Model Predictive Control”, KTH EES, 2017.

Thomas Garrett, “A Discrete Büchi Automata Distance for Formal Methods Based Control”, KTH EES, 2017.

Alexandros Filotheou, “Robust Decentralized Control of Cooperative Multi-robot Systems”, KTH EES, 2017.

Giorgio Corra, “Motion planning for coverage with vision-inspired sensors”, KTH EES, 2016.

Paul Rousse, “Multi agent control with LTL specifications and abstraction with input memories”, KTH EES, 2016.

Ziwei Xu, “LTL motion planning with collision avoidance for a team of quadrotors”, KTH EES, 2016.

Sofie Andersson, “Automatic Control Design Synthesis under Metric Interval Temporal Logic Specifications”, KTH EES, 2016.

Lars Lindemann, “Robust Model Predictive Control of Linear Systems under Signal Temporal Logic Specifications”, KTH EES, 2016.

Manuel Herzog, “Design and Implementation and Analysis of a Controller for a Load Suspended from an Aerial Vehicle”, KTH EES, 2016, with University of Stuttgart.

Riccardo Zanella, Design, “Implementation and Test of Decoupled Controllers for Mobile Manipulation with Aerial Robots”, KTH EES, 2016, with University of Padova.

Viking Flyhammar, “A Method Based on Bayesian Networks for Estimation of Test Confidence”, KTH EES, 2015, supervised by Dr. Jana Tumova and Dr. Mattias Nyberg (Scania).

Anders Gidmark, “Using CSPs (Constraint Satisfaction Problems) to analyze functional safety of vehicles with high variability”, KTH EES, 2015, supervised by Dr. Jana Tumova and Dr. Mattias Nyberg (Scania).

Pete Watcharawit, “Applying Agent-Based Modeling to Studying Emergent Behaviors of the Immune System Cells”, KTH EES, 2015, supervised with Dr. Petter Brodin (Karolinska Institutet).

Ioannis Hatzis, “Motion Planning of Multi-Agent Systems under Temporal Logic Specifications”, KTH EES, 2015.

Luca Macellari, “Average Consensus with Prescribed Performance Guarantees for Multi-agent Double-Integrator Systems”, KTH EES, 2015.

Steffen Linsenmayer “Event-triggered control of multi-agent systems with double-integrator dynamics: Application to vehicle platooning and flocking algorithms”, KTH EES, 2014. With University of Stuttgart.

Ernest Company, “Formal Methods Based Hybrid Control Synthesis for Multi-Agent Systems”, KTH EES, 2014. With University of Valencia.

Liangrui Huang, “Relaxations in Communication Constrains and Task Specifications in a Multi-agent System under Independent and Dependent specifications”, KTH EES, 2014.

Naomi Anveden Hertzberg, “Coordinated Control of Multiple Autonomous Underwater Vehicles”, KTH EES, 2014.

Philipp Köhler, “Double-integrator leader-follower networks: Sufficient conditions for connectivity maintenance”, KTH EES, 2014. With University of Stuttgart.

Geoffray Battiston, “Collaborative Action Planning for Humanoid Robots Exchanging a Small Object”, KTH EES, 2014.

Olivier Balland , “Collaborative motion planning of humanoid robots”, KTH EES, 2014.

Anton Hou, “Analysis and Design of Dynamic Behavior for Embedded Systems Using Policy-Based Design”, KTH EES, 2014. With Detlef Scholle (Alten).

Diogo Almeida, “Event-Triggered Attitude Stabilization of a Quadcopter”, KTH EES, 2014.

Lorris Robin Dola , “Biomimetic trajectory tracking by means of event-based control”, KTH EES, 2014.

Maryam Oryani, “Applying Agent-Based Modeling to Studying Emergent Behaviors of the Immune System Cells”, KTH EES, 2014, supervised with Dr. Petter Brodin (Karolinska Institutet).

Johanna Orihuela Swartling, “Circumnavigation control of multiple quadrotors”, KTH EES, 2014.

Kazumune Hashimoto, “Distributed Aperiodic Model Predictive Control for perturbed multi-agent systems”, KTH EES, 2013.

Adrien Rigaud, “Formal control synthesis for complex collaborative LTL tasks”, School of Electrical Engineering, KTH EES, 2013.

Etienne Dargaud, “Pick-up and delivery planning in multi-agent systems under temporal logic specifications”, KTH EES, 2013.

Martina Zambelli, “Nonholonomic Stabilization with Prescribed Performance Guarantees”, KTH EES, 2013.

Sebastian van de Hoef, “Extended Consensus Algorithms”, KTH EES, 2013.

Haukur Ingi Heidarsson, “Simulation and Implementation of Temporal Logic-based Motion Planning for Autonomous Vehicles”, KTH EES, 2013.

Philipp Heer, “Decentralized MPC for smart grid applications”, KTH EES, 2013.

Matteo Vanin, “Modeling, identification and navigation of autonomous air vehicles”, KTH EES, 2013.

Dinsefa Muhammed Mustefa, “Dual Arm Robot Control Based on Navigation Function with Prescribed Performance Guarantees”, KTH CSC and KTH EES, 2013.

Michele Colledanchise, “Stabilization and Collision Avoidance of Non-point Agents in Dynamic Environments: A Potential Field Approach”, KTH EES, 2012.

Axel Klingenstein, “Cooperation of Aerial and Ground Vehicles”, KTH EES, 2012.

Alejandro Marzinotto, “Decentralized Collaborative Control of Aerial and Ground Vehicles”, KTH EES, 2012.

Nicolas Vinikoff, “Some Fundamental Limitations of Networked Control Systems”, KTH EES, 2012.

Sergej Golfinger, “Event-triggered control for synchronization”, KTH EES, 2012. With University of Stuttgart.

Mazin Yousif, “Aperiodic Wireless Control of a Water Tank System”, KTH EES, 2011. With University of Grenoble.

Meng Guo: “Quantized Cooperative Control”, KTH EES, 2011.

Kim Vizins: “Modelling and Control of Dual Arm Robotic Manipulators”, KTH EES, 2011. (co-supervised with Prof. Bo Wahlberg).

Georg Seyboth: “Event-based Control for Multi-Agent Systems”, KTH EES, 2010. With University of Stuttgart.

Joel Rundgren: “Modelling and Control of an SMT Robot”, KTH EES, 2010.

Pedro Teixeira, “Event-Based Coordination of Multi-Agent Systems”, KTH EES, 2008. With Universidade do Porto.

Fotios Katsilieris, “Search and Secure Using Mobile Robots”, KTH EES, 2008.

REVIEWING

Frequent reviewer of papers for the following journal/conferences: IEEE International Conference on Robotics and Automation, IEEE Int. Conf. on Intelligent Robots and Systems, American Control Conference, IEEE Conference on Decision and Control, IEEE Transactions on Automatic Control, IEEE Transactions on Robotics, IEEE Transactions on Autom.Science in Engineering, Automatica, International Journal on Systems Science, Robotics and Autonomous Systems, Mediterranean Control Conference, Hybrid Systems: Computation & Control Conference, International Journal of Control, International Journal of Robust and Nonlinear Control, Asian Journal of Control, IEEE Robotics Magazine, European Control Conference.

EDITORIAL/CONFERENCE COMMITTEE SERVICE

Associate Editor, IEEE Transactions on Control of Network Systems, 2019-.

Associate Editor, Automatica, 2013-.

Associate Editor, Unmanned Systems, 2018-.

Associate Editor, IET Control Theory and Applications, 2013-2018.

Associate Editor, IEEE Transactions on Automation Science and Engineering, 2015-2018.

Member of the International Program Committee for the 15th International Workshop on Discrete Event Systems (WODES), Rio De Janeiro, Brazil, May 2020.

Member of the International Program Committee for the 2020 IEEE International Conference on Robotics and Automation (ICRA), Paris, France, May 2020.

Tutorials and Workshops Co-Chair, 18th European Control Conference (ECC20), St. Petersburg, Russia, May 2020.

Regional Chair, 15th International Conference on Control and Automation (ICCA), Edinburgh, UK, July 2019.

Member of the International Program Committee for the 17th European Control Conference (ECC19), Naples, Italy, June 2019.

Member of the International Program Committee for the 2019 IEEE International Conference on Robotics and Automation (ICRA), Montreal, Canada, May 2019.

Member of Conference Editorial Board of the IEEE Control Systems Society (CSS), since 2016.

Member of the International Program Committee for the 14th International Symposium on Distributed Autonomous Robotic Systems (DARS), Univ. Colorado at Boulder, USA, October 2018.

Member of the Technical Program Committee for the 57th IEEE Conference on Decision and Control (CDC), Miami Beach, FL, USA, December 2018.

Member of the International Program Committee for the 16th European Control Conference (ECC18), Limassol, Cyprus, June 2018.

Member of the International Program Committee for the 14th International Workshop on Discrete Event Systems (WODES), Sorrento Coast, Italy, May 2018.

Member of the International Program Committee for the 6th IFAC Conference on Analysis and Design of Hybrid Systems (ADHS), Oxford, UK, July 2018.

Senior Editor of the IEEE Conference on Automation Science and Engineering (CASE) Conference Editorial Board, 2017-2019.

Member of the International Program Committee for the 13th International Symposium on Distributed Autonomous Robotic Systems (DARS), London, UK, November 2016.

Member of the International Program Committee for the 15th European Control Conference (ECC16), Aalborg, Denmark, June 2016.

Member of the International Program Committee for the 13th International Workshop on Discrete Event Systems (WODES), Xi'an, China, May 2016.

Member of the International Program Committee for the IEEE Conference on Control Applications (CCA), Sydney, Australia, October 2015.

Publicity Co-Chair of the ACM/IEEE 6th International Conference on Cyber-Physical Systems, ICCPS 2015, Seattle, USA, April 2015.

Member of the International Program Committee for the 14th European Control Conference (ECC15), Linz, Austria, July 2015.

Member of the Program Committee for the 2015 Robotics: Science and Systems Conference (RSS), Rome, Italy, July 2015.

Member of the International Program Committee for the IEEE Conference on Control Applications (CCA), Antibes, France, October 2014.

Member of the Program Committee for the 2014 Robotics: Science and Systems Conference (RSS), UC Berkeley, CA, USA, July 2014.

Member of the International Program Committee for the 13th European Control Conference (ECC14), Strasbourg, France, June 2014.

Member of the International Program Committee for the 13th Conference on Mobile Robots and Competitions, ROBOTICA 2013, Portugal, April 2013.

Member of the International Program Committee for the 12th European Control Conference (ECC13), Zurich, Switzerland, July 2013.

Member of the International Program Committee for the 12th International Conference on Control, Automation, Robotics and Vision, ICARCV 2012, China, December 2012.

Member of the International Program Committee for the 9th International Conference on Informatics in Control, Automation and Robotics (ICINCO), Rome, Italy, July 2012.

Member of the International Program Committee for the 10th IFAC Symposium on Robot Control (SYROCO 2012), Dubrovnik, Croatia, on September 05-07, 2012.

Associate Editor for the IEEE International Conference on Robotics and Automation (ICRA), St. Paul, Minnesota, USA, May 2012.

Member of the Conference Editorial Board of the IEEE Robotics and Automation Society (RAS), 2011-12.

Member of the International Program Committee for the 3rd International Workshop on Wireless Sensor, Actuator and Robot Networks (WiSARN), Shanghai, China, April 2011, in conjunction with IEEE INFOCOM 2011.

Member of the International Program Committee for the 11th Conference on Mobile Robots and Competitions, ROBOTICA 2011 Lisbon, Portugal, April 2011.

Member of the International Program Committee for the 6th annual IEEE Conference on Automation Science and Engineering (IEEE CASE), sponsored by the IEEE Robotics and Automation Society (RAS), August 2010 in Toronto, Ontario, Canada.

Member of the International Program Committee for the 1st International Workshop on Wireless Sensor, Actuator and Robot Networks (WiSARN), Montreal, Montreal, Canada, June 2010, in conjunction with IEEE WoWMoM 2010.

Member of the International Program Committee for the 10th Conference on Mobile Robots and Competitions, ROBOTICA 2010 Leiria, Portugal, March 2010.

Program Committee Chair for ACCESS 1st Industrial Workshop, Stockholm, Sweden, March 2008.

UNIVERSITY/SCHOOL/DEPARTMENTAL SERVICE

KTH ACCESS Linnaeus Centre, Vice Deputy Chair of CPS Thematic Area, 2015-2018.

Smart Mobility Lab co-director, Smart Mobility Lab, School of EECS, KTH, 2013-.

Affiliated Faculty, KTH SRA ICT TNG, from 2015.

Affiliated Faculty, KTH ACCESS Linnaeus Centre, from 2010.

Affiliated Faculty, KTH Centre for Autonomous Systems, from 2011.

ASSIGNMENTS AS PUBLIC EXAMINER/OPPONENT

Lic Opponent of Fredrik Hagebring, Chalmers, Sweden, January 2019.

Member of the PhD committee of Danial Senejohnny, University of Groningen, Groningen, Netherlands, November 2018.

Member of the PhD committee of Vladislav Nenchev, TU Berlin, Germany, November 2018.

Member of the PhD committee of Ernesto Aranda Escolástico, UNED, Madrid, Spain, September 2018.

Member of the PhD committee of Anqi Fu, TU Delft, Delft, Netherlands, February 2018.

Member of the PhD jury for Christophe Viel, ONERA, France, September 2017.

Member of the PhD committee of Kristian Klausen, NTNU, Trondheim, Norway, June 2017.

Member of the PhD committee of Jingbo Wu, University of Stuttgart, Germany, April 2017.

Member of the PhD jury for Laura Dal Col, LAAS CNRS, Toulouse, France, October 2016.

External reviewer for the PhD Examination of Eoin Devane, University of Cambridge, UK, February 2016.

Member of the PhD committee of Johannes Nygren, Uppsala University, Sweden, February 2016.

Member of the PhD committee of Georg Seyboth, University of Stuttgart, Germany, January 2016.

Lic Opponent of Emil Fresk, LTU, Sweden, November 2015.

PhD Opponent of Thaker Nayl, LTU, Sweden, June 2015.

Member of the PhD committee of Giannis Roussos, NTUA, Greece, March 2015.

Member of the PhD committee of Ali Saidi, KTH, Sweden, November 2013.

Member of the PhD jury for Maria Guinaldo Losada, UNED, Spain, July 2013.

Member of the PhD committee of Alina Eqtami, NTUA, Greece, July 2013.

Member of the PhD jury for Gabriel Rodrigues De Campos, University of Grenoble, France, November 2012.

Member of the PhD committee for Dimitra Panagou, NTUA, Greece, August 2012.

Member of the PhD jury for Rosario Aragues Munoz, University of Zaragoza, Spain, March 2012.

ASSIGNMENTS AS OUTSIDE EXPERT

Reviewer for project applications for the European Research Council (ERC), 2016-.

Reviewer for national research evaluation of Italian Research Council, summer 2016.

Reviewer for national research projects for Swiss Research Council, summer 2016.

Reviewer for national research projects for Austrian Research Council, 2017.

Reviewer for national research projects for Israeli Research Council, 2017.

Reviewer for project proposals to the Romanian Research Council, summer 2011.

Reviewer for proposals to the Programme Inter Carnot Fraunhofer, 2011.

Reviewer for tenure applications (USA, UK), 2017-.

TEACHING EXPERIENCE

Lecturer and Course Responsible: FEL3230 Hybrid Systems, School of Electrical Engineering, KTH ACCESS specialized graduate course, Spring 2015, Spring 2018.

Lecturer and Course Responsible: EL2910/FEL3330 Networked and Multi-Agent Control Systems, School of Electrical Engineering, KTH, Spring 2013.

Lecturer and Course Responsible: FEL3330 Networked and Multi-Agent Control Systems, School of Electrical Engineering, KTH ACCESS specialized graduate course, Spring 2011, Fall 2016.

Lecturer and Course Responsible: EL2450 Hybrid and Embedded Control Systems, School of Electrical Engineering, KTH, undergraduate course, Spring 2011-2020.

Guest Lecturer: Construction of Autonomous Unmanned Aerial Vehicles, KTH Dept of Machine Design, graduate course, Spring 2011.

Reading Group on Formal Methods for Control, School of Electrical Engineering, KTH, 2013-2017.

Reading Group on Secure and Reconfigurable Multiagent and Networked Control Systems, School of Electrical Engineering, KTH, Spring 2011.

Teaching Assistant: M.E. Department, NTUA Spring 2004, Spring 2005
Assisted in teaching an undergraduate level course on *Digital Control Systems*.

Teaching Assistant: M.E. Department, NTUA Spring 2006
Assisted in teaching a graduate level course on *Adaptive Control*.

Teaching Assistant: Department of Aeronautics and Astronautics, MIT Fall 2009
Assisted in teaching a graduate level course on *Multi-Agent Systems*.

AWARDS

2018 My PhD student Lars Lindemann is among the 5 finalists for Best Student Paper Award at the American Control Conference 2018 for the paper "*Lars Lindemann and Dimos V. Dimarogonas, Decentralized Robust Control of Coupled Multi-Agent Systems under Local Signal Temporal Logic Tasks*".

2018 My first PhD student Meng Guo is among the three finalists for the EECI European PhD Award on Control for Complex and Heterogeneous Systems.

2017 Meng Guo (my first PhD student) is among the 5 finalists for the euRobotics George Giralt PhD award edition 2017.

2013 IEEE Transactions on Automatic Control Outstanding Reviewer.

2007 and 2008 KTH ACCESS Linnaeus Center Award for best post-doctorial application, selected in the four winning candidates out of more than one hundred applications.

General Chair's Recognition Award for Interactive Papers for the paper *Event-triggered control for multi-agent systems*, by D. V. Dimarogonas and K. H. Johansson, presented at the IEEE CDC, Shanghai, China, 2009.

INVITED TALKS (partial list)

2019, Chalmers University, Sweden

2018, University of Groningen, the Netherlands, JC Willems Seminar Series

2018, FORTH, Greece, Greek ERC Grantees Workshop, Invited Speaker

2018, TU Berlin, Germany

2018, IEEE/RSJ IROS, Workshop on Multi-Robot Perception-Driven Control and Planning

2018, Dagstuhl Seminar Mach.Learn. & Mod. Checking, Invited Speaker (could not attend)

2017, European Robotics Forum, Edinburgh, Invited Speaker

2017, The Royal Swedish Academy Of Sciences, Stockholm, Invited Talk

2017, Workshop on Hybrid Dynamical Systems, Univ Trento, Italy, Invited Speaker

2017, AEROWORKS Aerial Robotics Workshop, Univ Patras, Greece, Invited Speaker

2016, ANR CO4 Workshop, Toulouse, France, Invited Speaker

2015, Oberwolfach CPS Workshop, Germany, Invited Speaker

2014, IEEE CDC, Invited Paper in session on Formal Methods for Control

2014, RSS Workshop on Formal Methods for Control

2014, IEEE IROS, Workshop on Connectivity methods for Formation Control

2014, ACC, Invited Paper in session on Formal Methods for Control

2013, IEEE CDC, Invited Paper in session on Event-triggered Control

2013, ECC, Invited Paper in session on Event-triggered Control

2012, IEEE CDC, Invited Paper in session on Event-triggered Control

2012, University of Twente, the Netherlands

2012, Linkoping University, Sweden

2011, Universite catholique de Louvain, Louvain-la-Neuve, Belgium

2010, Universitaet Stuttgart, Stuttgart, Germany

2010, IEEE ICRA, Workshop on Search and Pursuit/ Evasion in the Physical World

2009, LIDS, MIT, Boston, USA

2009, Technische Universitat Munchen, Munich, Germany

2008, TU Delft, the Netherlands

2008, Technische Universitat Munchen, Munich, Germany

2007, Département d'Automatique de Grenoble and Inria Rhones Alpes, Grenoble, France

2007, IEEE ICRA, Workshop on Collective Behaviors inspired by Biological and Biochemical Systems

2005, Georgia Institute of Technology, Atlanta, Georgia, USA

PUBLICATIONS

ACCEPTED PUBLICATIONS (in reversed chronological order)

Journal Papers

J90. Kazumune Hashimoto, Michelle S. Chong and Dimos V. Dimarogonas, Distributed L1-state-and-fault estimation for Multi-agent systems, *IEEE Transactions on Control of Network Systems*, 2019, to appear.

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- C20. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Decentralized Swarm Aggregation with Static Communication Links", first International Conference on Robot Communication and Coordination (ROBOCOMM 2007), Athens, Greece, October 2007.
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WORKSHOP PARTICIPATIONS

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