

Curriculum Vitae

Dimos V. Dimarogonas, PhD

Office Address

School of Electrical Engineering and Computer Science (EECS)
Automatic Control
KTH Royal Institute of Technology
Malvinas v. 10
SE-100 44 Stockholm, Sweden
Floor 6, Room B: 608
Phone: +46-(0)73 9657595
Fax: +46-8-790 7329

E-mail: dimos@kth.se

Web: <http://people.kth.se/~dimos/>

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 Ήραός), 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, 2010-1011.

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.

[Kazumune Hashimoto](#), PhD from Keio University, Japan, from April 2018.

Pedro Miraldo, PhD from Univ. Coimbra, Portugal, from July 2018.

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

Soulaimane Berkane, PhD from Univ. of Western Ontario, Canada, from August 2018.

Former Postdocs

[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

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.

[Philipp Schillinger](#), Bosch Industrial PhD student, from 2015.

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

[Pedro Pereira](#), KTH EECS, from 2014.

Former PhD students

[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

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.

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 Rouse, “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, Automatica, 2013-.

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

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

Associate Editor, Unmanned Systems, 2018-.

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.

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-.

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

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.

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 2011-2018.

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

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 (last updated 1/2012)

P9. "Bridging the gap between multi-agent navigation and networked control", KTH ACCESS Internal Lecture Series, Stockholm, Sweden, June 2011.

P8. "Bridging the gap between multi-agent navigation and networked control", Institute of Information and Communication Technologies, Electronics and Applied Mathematics, Université catholique de Louvain, Louvain-la-Neuve, Belgium, May 2011.

P7. "Bridging the gap between multi-agent navigation and networked control", Department of Electrical Engineering and Information Technology, Institut für Systemtheorie und Regelungstechnik Universität Stuttgart, Stuttgart, Germany, November 2010.

P6. “Connectivity Maintenance Control Strategies in Multi-Robot Systems”, Department of Electrical Engineering and Information Technology, Technische Universität München, Munich, Germany, February 2009.

P5. “Decentralized Control Methods for Navigation of Multi-Agent Systems to Cooperative and Non-cooperative Equilibria”, CCRL-CoTeSys Central Robotics Laboratory Technische Universität München, Munich, Germany, July 2008.

P4. “Analysis of robot navigation schemes using Rantzer's dual Lyapunov theorem”, Delft Center for Systems and Control, Delft University of Technology, Delft, the Netherlands, May 2008.

P3. “Decentralized Control Methods for Navigation of Multi-Agent Systems”, Département d'Automatique de Grenoble and France and Inria Rhones Alpes, Grenoble, France, November 2007.

P2. “Decentralized Control Methods for Navigation of Multi-Agent Systems to Cooperative and Non-cooperative Equilibria”, Automatic Control Lab, School of Electrical Engineering, Royal Institute of Technology, Stockholm, Sweden, January 2007.

P1. “Decentralized Navigation Concepts for Multi-Agent Systems to Cooperative & Non-Cooperative Equilibria”, Dynamics and Control Systems Lab, School of Aerospace Engineering, Georgia Institute of Technology, Atlanta, Georgia, USA, October 2005.

PUBLICATIONS

ACCEPTED PUBLICATIONS (in reversed chronological order)

Journal Papers

J66. Alexandros Nikou, Dimitris Boskos, Jana Tumova and Dimos V. Dimarogonas, On the Timed Temporal Logic Planning of Coupled Multi-Agent Systems, *Automatica*, 2018, to appear.

J65. Yuecheng Yang, Dimos V. Dimarogonas and Xiaoming Hu, Opinion consensus under external influences, *Systems and Control Letters*, Vol. 119, pp. 23-30, September 2018.

J64. Lars Lindemann and Dimos V. Dimarogonas, Control Barrier Functions for Signal Temporal Logic Tasks, *IEEE Control Systems Letters (L-CSS)*, 2018, to appear.

J63. Alexandros Filotheou, Alexandros Nikou and Dimos V. Dimarogonas, Robust Decentralized Navigation of Multi-Agent Systems with Collision Avoidance and Connectivity Maintenance Using Model Predictive Controllers, *International Journal of Control*, 2018, to appear.

J62. Philipp Schillinger, Mathias Burger and Dimos V. Dimarogonas, Simultaneous Task Allocation and Planning for Temporal Logic Goals in Heterogeneous Multi-Robot System, *International Journal of Robotics Research*, 2018, to appear.

J61. Pian Yu, Carlo Fischione and Dimos V. Dimarogonas, Distributed Event-Triggered Communication and Control of Linear Multi-Agent Systems Under Tactile Communication, *IEEE Transactions on Automatic Control*, 2018, to appear.

J60. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Aperiodic Sampled-Data Control via Explicit Transmission Mapping: A Set Invariance Approach, *IEEE Transactions on Automatic Control*, 2018, to appear.

J59. Pierre-Jean Meyer and Dimos V. Dimarogonas, Compositional abstraction refinement for control synthesis, *Nonlinear Analysis: Hybrid Systems*, Vol. 27, pp. 437-451, February 2018.

J58. Christos K. Verginis and Dimos V. Dimarogonas, Timed Abstractions for Distributed Cooperative Manipulation, *Autonomous Robots*, Vol. 42, No. 4, pp. 781-799, April 2018.

J57. Shiyu Zhao, Dimos V. Dimarogonas, Zhiyong Sun and Dario Bauso, A General Approach to Coordination Control of Mobile Agents with Motion Constraints, *IEEE Transactions on Automatic Control*, Vol. 63, No. 5, pp. 1509-1516, May 2018.

J56. Davide Liuzza, Dimos V. Dimarogonas and Karl H. Johansson, Generalized PID synchronization of higher-order nonlinear systems with a recursive Lyapunov approach, *IEEE Transactions on Control of Network Systems*, 2017, to appear.

J55. Steffen Linsenmayer, Dimos V. Dimarogonas and Frank Allgower, Event-based vehicle coordination using nonlinear unidirectional controllers, *IEEE Transactions on Control of Network Systems*, 2017, to appear.

J54. Antonio Adaldo, Davide Liuzza, Dimos V. Dimarogonas and Karl H. Johansson, Cloud-Supported Formation Control of Second-Order Multi-Agent Systems, *IEEE Transactions on Control of Network Systems*, 2017, to appear.

J53. Ziyang Meng, Tao Yang, Guodong Shi, Dimos V. Dimarogonas, Yiguang Hong and Karl H. Johansson, Targeted Agreement of Multiple Lagrangian Systems, *Automatica*, Vol. 84, pp. 109-116, October 2017.

J52. Sebastian van de Hoef, Karl H. Johansson and Dimos V. Dimarogonas, Fuel-Efficient En Route Formation of Truck Platoons, *IEEE Transactions on Intelligent Transportation Systems*, Vol. 19, No. 1, pp. 102-112, January 2018.

J51. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Event-Triggered Intermittent Sampling for Nonlinear Model Predictive Control, *Automatica*, Vol. 81, pp. 148-155, July 2017.

J50. Dimitris Boskos and Dimos V. Dimarogonas, Robustness and Invariance of Connectivity Maintenance Control for Multiagent Systems, *SIAM Journal on Control and Optimization*, Vol. 55, No. 3, pp. 1887-1914, June 2017.

J49. Christos K. Verginis, Charalampos P. Bechlioulis, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, Robust Distributed Control Protocols for Large Vehicular Platoons with Prescribed Transient and Steady State Performance, *IEEE Transactions on Control Systems Technology*, 2017, to appear.

J48. Luca Macellari, Yiannis Karayiannidis and Dimos V. Dimarogonas, Multi-agent Second Order Average Consensus with Prescribed Transient Behavior, *IEEE Transactions on Automatic Control*, 2017, to appear.

J47. Gabriel Rodrigues de Campos, Dimos V. Dimarogonas, Alexandre Seuret and Karl H. Johansson, Distributed control of compact formations for multi-robot swarms, *IMA Journal of Mathematical Control and Information*, 2017, to appear.

J46. Meng Guo and Dimos V. Dimarogonas, Task and Motion Coordination for Heterogeneous Multi-agent Systems with Loosely-coupled Local Tasks, *IEEE Transactions on Automation Science and Engineering*, 2017, to appear.

J45. Pedro O. Pereira and Dimos V. Dimarogonas, Family of Controllers for Attitude Synchronization on the Sphere, *Automatica*, Vol. 75, pp. 271-281, January 2017.

J44. Davide Liuzza, Dimos V. Dimarogonas, Mario di Bernardo and Karl H. Johansson, Distributed Model Based Event-Triggered Control for Synchronization of Multi-Agent Systems, *Automatica*, Vol. 73, pp. 1-7, November 2016.

- J43. Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Attitude coordinated control of multiple underactuated axisymmetric spacecraft, *IEEE Transactions on Control of Network Systems*, to appear, 2016.
- J42. Meng Guo, Charalampos P. Bechlioulis, Kostas J. Kyriakopoulos and Dimos V. Dimarogonas, Hybrid Control of Multi-agent Systems with Contingent Temporal Tasks and Prescribed Formation Constraints, *IEEE Transactions on Control of Network Systems*, to appear, 2016.
- J41. Martin Andreasson, Roger Wiget, Dimos V. Dimarogonas, Karl H. Johansson and Goran Andersson, Distributed Frequency Control through MTDC Transmission Systems, *IEEE Transactions on Power Systems*, Vol. 32, No. 1, pp. 250-260, January 2017.
- J40. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Self-triggered Model Predictive Control for Nonlinear Input-Affine Dynamical Systems via Adaptive Control Samples Selection, *IEEE Transactions on Automatic Control*, Vol. 62, No. 1, pp. 177-189, January 2017.
- J39. Martin Andreasson, Dimos V. Dimarogonas, Henrik Sandberg and Karl H. Johansson, Distributed Controllers for Multi-Terminal HVDC Transmission Systems, *IEEE Transactions on Control of Network Systems*, 2016, to appear.
- J38. Jana Tumova and Dimos V. Dimarogonas, Multi-Agent Planning under Local LTL Specifications and Event-Based Synchronization, *Automatica*, Vol. 70, pp. 239-248, August 2016.
- J37. Xiangyu Meng, Ziyang Meng, Tongwen Chen, Dimos V. Dimarogonas and Karl Henrik Johansson, Pulse Width Modulation for Multi-Agent Systems, *Automatica*, Vol. 70, pp. 173-178, August 2016.
- J36. Meng Guo, Jana Tumova and Dimos V. Dimarogonas, Communication-Free Multi-Agent Control under Local Temporal Tasks and Relative-Distance Constraints, *IEEE Transactions on Automatic Control*, Vol. 61, No. 12, pp. 3948-3962, December 2016.
- J35. Tao Yang, Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Periodic Behaviors for Discrete-time Second-order Multi-agent Systems with Input Saturation Constraints, *IEEE Transactions on Circuits and Systems II*, Vol. 63, No. 7, pp. 663-667, July 2016.
- J34. Antonio Adaldo, Francesco Alderisio, Davide Liuzza, Guodong Shi, Dimos V. Dimarogonas, Mario di Bernardo and Karl H. Johansson, Event-Triggered Pinning Control of Switching Networks, *IEEE Transactions on Control of Network Systems*, Vol. 2, No. 2, pp. 204-213, June 2015.
- J33. Georg S. Seyboth, Dimos V. Dimarogonas, Karl H. Johansson, Paolo Frasca and Frank Allgower, On Robust Synchronization of Heterogeneous Linear Multi-Agent Systems with Static Couplings, *Automatica*, Vol. 53, pp. 392-399, March 2015.
- J32. Ross Anderson, Dejan Milutinovic and Dimos V. Dimarogonas, Self-Triggered Sampling for Second-Moment Stability of State-Feedback Controlled SDE Systems, *Automatica*, Vol. 54, pp. 8-15, April 2015.

- J31. Ziyang Meng, Tao Yang, Dimos V. Dimarogonas and Karl H. Johansson, Coordinated Output Regulation of Heterogeneous Linear Systems under Switching Topologies, *Automatica*, Vol. 53, pp. 362-368, March 2015.
- J30. Martina Zambelli, Yiannis Karayiannidis and Dimos V. Dimarogonas, Posture regulation for unicycle-like robots with prescribed performance guarantees, *IET Control Theory & Applications*, Vol. 9, No. 2, pp. 192-202, February 2015.
- J29. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Distributed Aperiodic Model Predictive Control for Multi-Agent systems, *IET Control Theory & Applications*, Vol. 9, No. 1, pp. 10-20, January 2015.
- J28. Meng Guo and Dimos V. Dimarogonas, Multi-agent Plan Reconfiguration under Local LTL Specifications, *International Journal of Robotics Research*, Vol. 34, No. 2, pp. 218-235, February 2015.
- J27. Rosario Aragues, Guodong Shi, Dimos V. Dimarogonas, Carlos Sagues, Karl H. Johansson and Youcef Mezouar, Distributed algebraic connectivity estimation for undirected graphs with upper and lower bounds, *Automatica*, Vol. 50, no. 12, 3253-3259, December 2014.
- J26. Johanna Orihuela Swartling, Iman Shames, Karl H. Johansson and Dimos V. Dimarogonas, Collective Circumnavigation, *Unmanned Systems*, Vol. 2, No. 03, pp. 219-229, July 2014.
- J25. Martin Andreasson, Dimos V. Dimarogonas, Henrik Sandberg and Karl H. Johansson, Distributed Control of Networked Dynamical Systems: Static Feedback, Integral Action and Consensus, *IEEE Transactions on Automatic Control*, Vol. 59, No. 7, pp. 1750-1764, July 2014.
- J24. Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Leader-follower Coordinated Tracking of Multiple Heterogeneous Lagrange Systems Using Continuous Control, *IEEE Transactions on Robotics*, Vol. 30, No. 3, pp. 739-745, June 2014.
- J23. Yuecheng Yang, Dimos V. Dimarogonas and Xiaoming Hu, Opinion consensus of modified Hegselmann-Krause models, *Automatica*, vol. 50, no. 2, pp. 622-627, February 2014.
- J22. Tao Yang, Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Global Consensus for Discrete-time Multi-Agent Systems with Input Saturation Constraints, *Automatica*, vol. 50, no. 2, pp. 499-506, February 2014.
- J21. Meng Guo, Michael M. Zavlanos and Dimos V. Dimarogonas, Controlling the Relative Agent Motion in Multi-Agent Formation Stabilization, *IEEE Transactions on Automatic Control*, Vol. 59, No. 3, pp. 820-826, March 2014.
- J20. Pablo Millan Gata, Luis Orihuela, Carlos Vivas, Francisco R. Rubio, Dimos V. Dimarogonas and Karl H. Johansson, Sensor-network-based robust distributed control and estimation, *Control Engineering Practice*, Vol. 21, No. 9, pp. 1238-1249, September 2013.
- J19. Meng Guo and Dimos V. Dimarogonas, Consensus with Quantized Relative State Measurements, *Automatica*, Vol. 49, No. 8, pp. 2531-2537, August 2013.

- J18. Maria Guinaldo, Dimos V. Dimarogonas, Karl H. Johansson, José Sánchez Moreno and Sebastián Dormido, “Distributed Event-Based Control Strategies for Interconnected Linear Systems”, *IET Control Theory & Applications*, Vol. 7, No. 6, pp. 877-886, April 2013.
- J17. Meng Guo and Dimos V. Dimarogonas, “Nonlinear Consensus via Continuous, Sampled, and Aperiodic Updates”, *International Journal of Control*, Vol. 86, No. 4, pp. 567-578, April 2013.
- J16. Georg S. Seyboth, Dimos V. Dimarogonas and Karl H. Johansson, “Event-based Broadcasting for Multi-agent Average Consensus”, *Automatica*, Vol. 49, No. 1, pp. 245-252, January 2013.
- J15. Christian Smith, Yiannis Karayiannidis, Lazaros Nalpantidis, Xavi Gratal, Peng Qi, Dimos V. Dimarogonas, and Danica Kragic, “Dual Arm Manipulation - a Survey”, *Robotics and Autonomous Systems*, Vol. 60, No. 10, pp. 1340-1353, October 2012.
- J14. Dimos V. Dimarogonas, “Sufficient Conditions for Decentralized Potential Functions Based Controllers using Canonical Vector Fields”, *IEEE Transactions on Automatic Control*, Vol. 57, No. 10, pp. 2621-2626, October 2012.
- J13. Dimos V. Dimarogonas, Emilio Frazzoli and Karl H. Johansson, “Distributed Event-Triggered Control for Multi-Agent Systems”, *IEEE Transactions on Automatic Control*, to appear, 2012.
- J12. Giannis Roussos, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “3D Navigation and Collision Avoidance for Nonholonomic Aircraft-like Vehicles”, *International Journal of Adaptive Control and Signal Processing*, Vol. 24, No. 10, pp. 900-920, September 2010.
- J11. Dimos V. Dimarogonas and Karl H. Johansson, “Stability analysis for multi-agent systems using the incidence matrix: quantized communication and formation control”, *Automatica*, Vol. 46, No. 4, pp. 695-700, April 2010.
- J10. Dimos V. Dimarogonas and Karl H. Johansson, “Bounded Control of Network Connectivity in Multi-Agent Systems”, *IET Control Theory & Applications*, Vol. 4, No. 8, pp. 1330-1338, August 2010.
- J9. Tove Gustavi, Dimos V. Dimarogonas, Magnus Egerstedt and Xiaoming Hu, “Sufficient conditions for connectivity maintenance and rendezvous in leader-follower networks”, *Automatica*, Vol. 46, No. 1, pp. 133-139, January 2010.
- J8. Dimos V. Dimarogonas, Panagiotis Tsiotras and Kostas J. Kyriakopoulos, “Leader-Follower Cooperative Attitude Control of Multiple Rigid Bodies”, *Systems and Control Letters*, Vol. 58, No. 6, pp. 429-435, June 2009.
- J7. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Inverse agreement protocols with application to distributed multi-agent dispersion”, *IEEE Transactions on Automatic Control*, Vol. 54, No. 3, pp. 657-663, March 2009.
- J6. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Connectedness Preserving Distributed Swarm Aggregation for Multiple Kinematic Robots”, *IEEE Transactions on Robotics*, Vol. 24, No. 5, pp. 1213-1223, October 2008.

J5. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “A connection between formation infeasibility and velocity alignment in kinematic multi-agent systems”, *Automatica*, Vol. 44, No. 10, pp. 2648-2654, October 2008.

J4. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “On the rendezvous problem for multiple nonholonomic agents”, *IEEE Transactions on Automatic Control*, Vol. 52, No. 5, pp. 916-922, May 2007.

J3. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Decentralized navigation functions for multiple agents with limited sensing capabilities”, *Journal of Intelligent and Robotic Systems*, Vol. 48, No. 3, pp. 411-433, March 2007.

J2. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “A Feedback Control Scheme for Multiple Independent Dynamic Non-point Agents”, *International Journal of Control*, Vol. 79, No. 12, pp. 1613-1623, December 2006.

J1. Dimos V. Dimarogonas, Savvas G. Loizou, Kostas J. Kyriakopoulos and Michael M. Zavlanos, “A Feedback Stabilization and Collision Avoidance Scheme for Multiple Independent Non-point Agents”, *Automatica*, Vol. 42, No. 2, pp. 229-243, February 2006.

Book Chapters

B4. Meng Guo, Dimitris Boskos, Jana Tumova and Dimos V. Dimarogonas, Distributed Hybrid Control Synthesis for Multi-Agent Systems from High-Level Specifications, in Tarbouriech S., Girard A., Hetel L. (eds) *Control Subject to Computational and Communication Constraints*. Lecture Notes in Control and Information Sciences, vol 475. Springer, 2018.

B3. Antonio Adaldo, Davide Liuzza, Dimos V. Dimarogonas and Karl H. Johansson, Coordination of multi-agent systems with intermittent access to a cloud repository, in T. I. Fossen, K. Y. Pettersen, and H. Nijmeijer, Eds., *Sensing and Control for Autonomous Vehicles*, Springer-Verlag, 2017.

B2. Mario Guinaldo, Dimos V. Dimarogonas, Daniel Lehmann and Karl H. Johansson, Distributed event-based control for interconnected linear systems, in M. Guinaldo Losada, F. Rodriguez Rubio, and S. Dormido, Eds., *Asynchronous Control for Networked Systems*, Springer-Verlag, 2015.

B1. Dimos V. Dimarogonas, Savvas G. Loizou and Kostas J. Kyriakopoulos, “Multirobot Navigation Functions II: Towards Decentralization”, in *Stochastic Hybrid Systems: Theory and Safety Critical Applications*, H.A.P Blom and J. Lygeros (eds.), Springer Lecture Notes in Control and Information Sciences, Vol. 337, 2006.

Conference Papers

C190. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Energy-aware networked control systems under temporal logic specifications, *57th IEEE Conference on Decision and Control*, Fontainebleau, Miami Beach, FL, USA, December 2018, to appear.

C189. Lars Lindemann, Dipankar Maity, John S. Baras and Dimos V. Dimarogonas, Event-triggered Feedback Control for Signal Temporal Logic Tasks, *57th IEEE Conference on Decision and Control*, Fontainebleau, Miami Beach, FL, USA, December 2018, to appear.

C188. Pian Yu and Dimos V. Dimarogonas, Time-constrained multi-agent task scheduling based on prescribed performance control, *57th IEEE Conference on Decision and Control*, Fontainebleau, Miami Beach, FL, USA, December 2018, to appear.

C187. Clara Cavaliere, Dario Mariniello, Antonio Adaldo, Francesco Lo Iudice, Dimos V. Dimarogonas, Karl H. Johansson and Mario di Bernardo, Cloud-supported self-triggered control for multi-agent circumnavigation, *57th IEEE Conference on Decision and Control*, Fontainebleau, Miami Beach, FL, USA, December 2018, to appear.

C186. Dionysios Theodosis and Dimos V. Dimarogonas, Self-Triggered Control under Actuator Delays, *57th IEEE Conference on Decision and Control*, Fontainebleau, Miami Beach, FL, USA, December 2018, to appear.

C185. Philipp Schillinger, Mathias Burger and Dimos V. Dimarogonas, Improving Multi-Robot Behavior Using Learning-Based Receding Horizon Task Allocation, *Robotics: Science and Systems 2018*, Pittsburgh, PA, USA, June 2018.

C184. Antonio Adaldo, Dimos V. Dimarogonas and Karl H. Johansson, Cloud-supported effective coverage of 3D structures, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C183. Alexandros Filotheou, Alexandros Nikou and Dimos V. Dimarogonas, Decentralized Control of Uncertain Multi-Agent Systems with Connectivity Maintenance and Collision Avoidance, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C182. Dionysios Theodosis and Dimos V. Dimarogonas, Event-Triggered Control for a Class of Cascade Systems, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C181. Sofie Andersson and Dimos V. Dimarogonas, Human in the Loop Least Violating Robot Control Synthesis under Metric Interval Temporal Logic Specifications, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C180. Christos K. Verginis, Alexandros Nikou and Dimos V. Dimarogonas, Communication-based Decentralized Cooperative Object Transportation Using Nonlinear Model Predictive Control, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C179. Leonardo J. Colombo and Dimos V. Dimarogonas, Optimal Control of Left-Invariant Multi-Agent Systems with Asymmetric Formation Constraints, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C178. Jieqiang Wei, Christos K. Verginis, Junfeng Wu, Dimos V. Dimarogonas, Henrik Sandberg and Karl H. Johansson, Asymptotic and finite-time almost global attitude tracking: representations free approach, *2018 European Control Conference*, Limassol, Cyprus, June 2018.

C177. Lars Lindemann and Dimos V. Dimarogonas, Decentralized Robust Control of Coupled Multi-Agent Systems under Local Signal Temporal Logic Tasks, *2018 American Control Conference*, Milwaukee, USA, June 2018. Best Student Paper Award Finalist.

C176. Andrea Bisoffi and Dimos V. Dimarogonas, A hybrid barrier certificate approach to satisfy linear temporal logic specifications, *2018 American Control Conference*, Milwaukee, USA, June 2018.

C175. Pian Yu and Dimos V. Dimarogonas, Explicit computation of sampling period in periodic event-triggered multi-agent control, *2018 American Control Conference*, Milwaukee, USA, June 2018.

C174. Meng Guo, Sofie Andersson and Dimos V. Dimarogonas, Human-in-the-Loop Mixed-Initiative Control under Temporal Tasks, *2018 IEEE International Conference on Robotics and Automation*, Brisbane, Australia, May 2018.

C173. Philipp Schillinger, Mathias Burger and Dimos V. Dimarogonas, Auctioning over Probabilistic Options for Temporal Logic-Based Multi-Robot Cooperation under Uncertainty, *2018 IEEE International Conference on Robotics and Automation*, Brisbane, Australia, May 2018.

C172. Pedro O. Pereira, Pedro Roque and Dimos V. Dimarogonas, Asymmetric Collaborative Bar Stabilization Tethered to Two Heterogeneous Aerial Vehicles, *2018 IEEE International Conference on Robotics and Automation*, Brisbane, Australia, May 2018.

C171. Pedro O. Pereira and Dimos V. Dimarogonas, Control Framework for Slung Load Transportation with Two Aerial Vehicles, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C170. Pedro O. Pereira and Dimos V. Dimarogonas, Nonlinear Pose Tracking Controller for Bar Tethered to Two Aerial Vehicles with Bounded Linear and Angular Accelerations, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C169. Pedro O. Pereira and Dimos V. Dimarogonas, Collaborative Transportation of a Bar by Two Aerial Vehicles with Attitude Inner Loop and Experimental Validation, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C168. Christos K. Verginis, Alexandros Nikou and Dimos V. Dimarogonas, Position and Orientation Based Formation Control of Multiple Rigid Bodies with Collision Avoidance and Connectivity Maintenance, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C167. Lars Lindemann, Christos K. Verginis and Dimos V. Dimarogonas, Prescribed Performance Control for Signal Temporal Logic Specifications, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C166. Christos K. Verginis and Dimos V. Dimarogonas, Robust Decentralized Abstractions for Multiple Mobile Manipulators, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C165. Daniel Selvaratnam, Iman Shames, Dimos V. Dimarogonas, Jonathan H. Manton and Branko Ristic, Co-operative Estimation for Source Localisation using Binary Sensors, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C164. Alexandros Nikou, Shahab Heshmati-alamdari, Christos K. Verginis and Dimos V. Dimarogonas, Decentralized Abstractions and Timed Constrained Planning of a General Class of Coupled Multi-Agent Systems, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C163. Pian Yu, Carlo Fischione and Dimos V. Dimarogonas, Event-Triggered Output Feedback Control for Linear Systems under Tactile Communication, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C162. Jaehyun Yoo, Adam Molin, Matin Jafarian, Hasan Esen, Dimos V. Dimarogonas and Karl H. Johansson, Event-triggered Model Predictive Control with Machine Learning based Disturbance Compensation, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C161. Xinlei Yi, Kun Liu, Dimos V. Dimarogonas and Karl H. Johansson, Distributed Dynamic Event-Triggered Control for Multi-Agent Systems, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C160. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Robust Safety Controller Synthesis using Tubes, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C159. Antonio Boccia, Antonio Adaldo, Dimos V. Dimarogonas, Mario di Bernardo and Karl H. Johansson, Tracking a mobile target by multi-robot circumnavigation using bearing measurements, *56th IEEE Conference on Decision and Control*, Melbourne, Australia, December 2017.

C158. Antonio Adaldo, Sina Sharif Mansouri, Christoforos Kanellakis, Dimos V. Dimarogonas, Karl H. Johansson and George Nikolakopoulos, Cooperative Coverage for Surveillance of 3D Structures, *IEEE RSJ International Conference on Intelligent Robots and Systems(IROS)*, Vancouver, BC, Canada, September 2017.

C157. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, A Collision-Free Communication Scheduling for Nonlinear Model Predictive Control, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C156. Sebastian van de Hoef, Karl H. Johansson and Dimos V. Dimarogonas, Efficient Dynamic Programming Solution to a Platoon Coordination Merge Problem with Stochastic Travel Times, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C155. Antonio Adaldo, Dimos V. Dimarogonas and Karl H. Johansson, Hybrid Coverage and Inspection Control for Anisotropic Mobile Sensor Teams, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C154. Christos K. Verginis, Matteo Mastellaro and Dimos V. Dimarogonas, Robust Quaternion-Based Cooperative Manipulation without Force/Torque Information, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C153. Christos K. Verginis and Dimos V. Dimarogonas, Multi-Agent Motion Planning and Object Transportation under High Level Goals, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C152. Xinlei Yi, Jieqiang Wei, Dimos V. Dimarogonas and Karl H. Johansson, Formation Control for Multi-Agent Systems with Connectivity Preservation and Event-Triggered Controllers, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C151. Dimitris Boskos and Dimos V. Dimarogonas, Online Abstractions for Interconnected Multi-Agent Control Systems, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C150. Alexandros Nikou, Christos K. Verginis and Dimos V. Dimarogonas, Robust Distance-Based Formation Control of Multiple Rigid Bodies with Orientation Alignment, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C149. Shahab Heshmati-Alamdari, Alexandros Nikou, Kostas J. Kyriakopoulos and Dimos V. Dimarogonas, A Robust Control Approach for Underwater Vehicle Manipulator Systems, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C148. Sofie Andersson, Alexandros Nikou, Dimos V. Dimarogonas, Control Synthesis for Multi-Agent Systems under Metric Interval Temporal Logic Specifications, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C147. Alexandros Nikou, Jana Tumova, Dimos V. Dimarogonas, Probabilistic Plan Synthesis for Coupled Multi-Agent Systems, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C146. Pierre-Jean Meyer and Dimos V. Dimarogonas, Abstraction Refinement and Plan Revision For Control Synthesis Under High Level Specifications, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C145. Paul Rousse, Pierre-Jean Meyer and Dimos V. Dimarogonas, Using Progress Sets on Non-Deterministic Transition Systems for Multiple UAV Motion Planning, 20th IFAC World Congress (IFAC WC), Toulouse, France, July 2017.

C144. Alexandros Nikou, Christos K. Verginis, Shahab Heshmati-alamdari and Dimos V. Dimarogonas, A Nonlinear Model Predictive Control Scheme for Cooperative Manipulation with Singularity and Collision Avoidance, *25th IEEE Mediterranean Conference on Control and Automation*, Valletta, Malta, June 2017.

C143. Lars Lindemann and Dimos V. Dimarogonas, Robust Motion Planning employing Signal Temporal Logic, *2017 American Control Conference*, Seattle, WA, May 2017.

C142. Maria Guinaldo and Dimos V. Dimarogonas, A hybrid systems framework for multi agent task planning and control, *2017 American Control Conference*, Seattle, WA, May 2017.

C141. Alexandros Nikou, Dimitris Boskos, Jana Tumova and Dimos V. Dimarogonas, Cooperative Planning for Coupled Multi-Agent Systems under Timed Temporal Specifications, *2017 American Control Conference*, Seattle, WA, May 2017.

C140. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Self-triggered control for constrained systems: a contractive set-based approach, *2017 American Control Conference*, Seattle, WA, May 2017.

C139. Pierre-Jean Meyer and Dimos V. Dimarogonas, Compositional Abstraction Refinement for Control Synthesis under Lasso-Shaped Specifications, *2017 American Control Conference*, Seattle, WA, May 2017.

C138. Christos K. Verginis and Dimos V. Dimarogonas, Distributed Cooperative Manipulation under Timed Temporal Specifications, *2017 American Control Conference*, Seattle, WA, May 2017.

C137. Christos K. Verginis, Ziwei Xu and Dimos V. Dimarogonas, Decentralized Motion Planning with Collision Avoidance for a Team of UAVs under High Level Goals, *2017 IEEE International Conference on Robotics and Automation*, Singapore, May 2017,

C136. Pedro O. Pereira and Dimos V. Dimarogonas, Stability of Load Lifting by a Quadrotor under Attitude Control Delay, *2017 IEEE International Conference on Robotics and Automation*, Singapore, May 2017.

C135. Philipp Schillinger, Mathias Burger and Dimos V. Dimarogonas, Multi-Objective Search for Optimal Multi-Robot Planning with Finite LTL Specifications and Resource Constraints, *2017 IEEE International Conference on Robotics and Automation*, Singapore, May 2017.

C134. Philipp Schillinger, Mathias Burger and Dimos V. Dimarogonas, Decomposition of finite LTL specifications for efficient multi-agent planning, *13th International Symposium on Distributed Autonomous Robotic Systems (DARS)*, London, UK, November 2016.

C133. Jana Tumova and Dimos V. Dimarogonas, Synthesizing least-limiting guidelines for safety of semi-autonomous systems, *55th IEEE Conference on Decision and Control, Las Vegas, NV, USA*, pp. 5714-5719, December 2016.

C132. Steffen Linselmayer, Dimos V. Dimarogonas and Frank Allgower, A non-monotonic approach to periodic event-triggered control with packet loss, *55th IEEE Conference on Decision and Control, Las Vegas, NV, USA*, pp. 507-512, December 2016.

C131. Dimitris Boskos and Dimos V. Dimarogonas, Abstractions of Varying Decentralization Degree for Coupled Multi-Agent Systems, *55th IEEE Conference on Decision and Control, Las Vegas, NV, USA*, pp. 81-86, December 2016.

C130. Antonio Adaldo, Davide Liuzza, Dimos V. Dimarogonas and Karl H. Johansson, Multi-Agent Trajectory Tracking with Self-Triggered Cloud Access, *55th IEEE Conference on Decision and Control*, Las Vegas, NV, USA, pp. 2207-2214, December 2016.

C129. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Self-triggered Model Predictive Control for Continuous-Time Systems: A Multiple Discretizations Approach, *55th IEEE Conference on Decision and Control*, Las Vegas, NV, USA, pp. 3078-3083, December 2016.

C128. Pedro O. Pereira, Dimitris Boskos and Dimos V. Dimarogonas, A Common Framework for Attitude Synchronization of Unit Vectors in Networks with Switching Topology, *55th IEEE Conference on Decision and Control*, Las Vegas, NV, USA, pp. 3530-3536, December 2016.

C127. Pedro O. Pereira, Riccardo Zanella and Dimos V. Dimarogonas, Decoupled Design of Controllers for Aerial Manipulation with Quadrotors, *IEEE RSJ International Conference on Intelligent Robots and Systems(IROS)*, Daejeon, Korea, pp. 4849-4854, October 2016.

C126. Philipp N. Köhler and Dimos V. Dimarogonas, On Topological Conditions to Maintain Leader-Follower Connectivity in Double-Integrator Multi-Agent Systems, *24th IEEE Mediterranean Conference on Control and Automation, Athens, Greece*, pp. 767-772, June 2016.

C125. Pedro O. Pereira, Manuel Herzog and Dimos V. Dimarogonas, Slung Load Transportation with Single Aerial Vehicle and Disturbance Removal, *24th IEEE Mediterranean Conference on Control and Automation, Athens, Greece*, pp. 671-676, June 2016.

C124. Pedro O. Pereira and Dimos V. Dimarogonas, Lyapunov-Based Generic Controller Design for Thrust-Propelled Underactuated Systems, *2016 European Control Conference, Aalborg, Denmark*, pp. 594-599, June 2016.

C123. Michele Colledanchise, Alejandro Marzinotto, Dimos V. Dimarogonas and Petter Ögren, The Advantages of Using Behavior Trees in Multi-Robot Systems, *47th Symposium on Robotics-ISR 2016, Munich, Germany, June 2016, to appear*.

C122. Alexandros Nikou, Jana Tumova and Dimos V. Dimarogonas, Cooperative Task Planning of Multi-Agent Systems Under Timed Temporal Specifications, *2016 American Control Conference, Boston, MA*, pp. 7104-7109, July 2016.

C121. Meng Guo, Magnus Egerstedt and Dimos V. Dimarogonas, Hybrid Control of Multi-robot Systems Using Embedded Graph Grammars, *2016 IEEE International Conference on Robotics and Automation, Stockholm, Sweden*, pp. 5242-5247, May 2016.

C120. Sebastian van de Hoef, Karl H. Johansson and Dimos V. Dimarogonas, Computing Feasible Vehicle Platooning Opportunities for Transport Assignments, *14th IFAC Symposium on Control in Transportation Systems (CTS 2016), Istanbul, Turkey, May 2016*.

C119. Pedro O. Pereira and Dimos V. Dimarogonas, Family of Controllers for Attitude Synchronization in S^2 , *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 6761-6766, December 2015.

- C118. Dimitris Boskos and Dimos V. Dimarogonas, Decentralized Abstractions for Feedback Interconnected Multi-Agent Systems, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 282-287, December 2015.
- C117. Dimitris Boskos and Dimos V. Dimarogonas, Robust Connectivity Analysis for Multi-Agent Systems, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 6767-6772, December 2015.
- C116. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Time-constrained Event-triggered Model Predictive Control for Nonlinear Continuous-time Systems, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 4326-4331, December 2015.
- C115. Jana Tumova and Dimos V. Dimarogonas, Decomposition of Multi-Agent Planning under Distributed Motion and Task LTL Specifications, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 7448-7453, December 2015.
- C114. Meng Guo, Jana Tumova and Dimos V. Dimarogonas, Hybrid Control of Multi-Agent Systems under Local Temporal Tasks and Relative-Distance Constraints, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 1701-1706, December 2015.
- C113. Martin Andreasson, Roger Wiget, Dimos V. Dimarogonas, Karl Henrik Johansson and Goran Andersson, Distributed Secondary Frequency Control through MTDC Transmission Systems, *54th IEEE Conference on Decision and Control, Osaka, Japan*, pp. 2627 - 2634, December 2015.
- C112. Martin Andreasson, Roger Wiget, Dimos V. Dimarogonas, Karl Henrik Johansson and Goran Andersson, Coordinated Frequency Control through MTDC Transmission Systems, *5th IFAC Workshop on Estimation and Control of Networked Systems (NECSYS), Philadelphia, USA*, September 2015.
- C111. Steffen Linsenkemper, Dimos V. Dimarogonas and Frank Allgower, Nonlinear Event-Triggered Platooning Control with Exponential Convergence, *5th IFAC Workshop on Estimation and Control of Networked Systems (NECSYS), Philadelphia, USA*, September 2015.
- C110. Anastasios Tsiamis, Jana Tumova, Charalampos Bechlioulis, George Karras, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, Decentralized Leader-Follower Control under High Level Goals without Explicit Communication, *IEEE/RSJ International Conference on Intelligent Robots and Systems(IROS), Hamburg, Germany*, pp. 5790-5795, September 2015.
- C109. Christos K. Verginis, Charalampos Bechlioulis, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, Decentralized 2-D Control of Vehicular Platoons under Limited Visual Feedback, *IEEE/RSJ International Conference on Intelligent Robots and Systems(IROS), Hamburg, Germany*, pp. 3566-3571, September 2015.
- C108. Sebastian van de Hoef, Karl H. Johansson and Dimos V. Dimarogonas, Coordinating Truck Platooning by Clustering Pairwise Fuel-Optimal Plans, *IEEE 18th International Conference on Intelligent Transportation Systems, Las Palmas de Gran Canaria, Spain*, September 2015.

C107. Meng Guo and Dimos V. Dimarogonas, Bottom-up Motion and Task Coordination for Loosely-coupled Multi-agent Systems with Dependent Local Tasks, *2015 IEEE International Conference on Automation Science and Engineering, Gothenburg, Sweden, August 2015*.

C106. Antonio Adaldo, Davide Liuzza, Dimos V. Dimarogonas and Karl H. Johansson, Control of Multi-Agent Systems with Event-Triggered Cloud Access, *2015 European Control Conference, Linz, Austria, pp. 948-955, July 2015*.

C105. Yuecheng Yang, Dimos V. Dimarogonas and Xiaoming Hu, Shaping up crowd of agents through controlling their statistical moments, *2015 European Control Conference, Linz, Austria, pp. 1011-1016, July 2015*.

C104. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Self-triggered Nonlinear Model Predictive Control for Networked Control Systems, *2015 American Control Conference, Chicago, IL, pp. 4239-4244, July 2015*.

C103. Martin Andreasson, Roger Wiget, Dimos V. Dimarogonas, Karl Henrik Johansson and Goran Andersson, Distributed Primary Frequency Control through Multi-Terminal HVDC Transmission Systems, *2015 American Control Conference, Chicago, IL, pp. 5029-5034, July 2015*.

C102. Steffen Linsenmayer and Dimos V. Dimarogonas, Event-triggered Control for Vehicle Platooning, *2015 American Control Conference, Chicago, IL, pp. 3101-3106, July 2015*.

C101. Sebastian van de Hoef, Karl H. Johansson and Dimos V. Dimarogonas, Fuel-Optimal Centralized Coordination of Truck-Platooning Based on Shortest Paths, *2015 American Control Conference, Chicago, IL, pp. 3740-3745, July 2015*.

C100. Ziyang Meng, Tao Yang, Guodong Shi, Dimos V. Dimarogonas, Yiguang Hong and Karl H. Johansson, Set Target Aggregation of Multiple Mechanical Systems, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, pp. 6830-6835, December 2014*.

C99. Sebastian van de Hoef, Dimos V. Dimarogonas and Panagiotis Tsiotras, Spectral Analysis of Extended Consensus Algorithms for Multi-agent Systems, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, pp. 2204-2209, December 2014*.

C98. Meng Guo, Jana Tumova and Dimos V. Dimarogonas, Cooperative Decentralized Multi-agent Control under Local LTL Tasks and Connectivity Constraints, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, pp. 75-80, December 2014*.

C97. Michele Colledanchise, Dimos V. Dimarogonas and Petter Ögren, Robot Navigation Under Uncertainties Using Event Based Sampling, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, pp. 1438-1445, December 2014*.

C96. Charalampos Bechlioulis, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, Robust Control of Large Vehicular Platoons with Prescribed Transient and Steady State Performance, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, 3689-3694, December 2014*.

C95. Antonio Adaldo, Francesco Alderisio, Davide Liuzza, Guodong Shi, Dimos V. Dimarogonas, Mario di Bernardo and Karl H. Johansson, Event-Triggered Pinning Control of

Complex Networks with Switching Topologies, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, 2783-2788, December 2014.*

C94. Martin Andreasson, Dimos V. Dimarogonas, Henrik Sandberg and Karl H. Johansson, Control of MTDC Transmission Systems under Local Information, *53rd IEEE Conference on Decision and Control, Los Angeles, CA, pp. 1335-1340, December 2014.*

C93. Alejandro Marzinotto, Johannes A. Stork, Dimos V. Dimarogonas and Danica Kragic, Cooperative Grasping through Topological Object Representation, *2014 IEEE-RAS International Conference on Humanoid Robots, Madrid, Spain, November 2014.*

C92. Kazumune Hashimoto, Shuichi Adachi and Dimos V. Dimarogonas, Distributed event-based Model Predictive Control for Multi-Agent systems under disturbances, *International Conference on Network Games, Control and Optimization (NETGCOOP), Trento, Italy, October 2014.*

C91. Mehran Zareh, Dimos V. Dimarogonas, Mauro Franceschelli, Karl Henrik Johansson and Carla Seatzu, Consensus in multi-agent systems with non-periodic sampled-data exchange and uncertain network topology, *IEEE CoDIT 2014, Metz, France, November 2014.*

C90. Mehran Zareh, Dimos V. Dimarogonas, Mauro Franceschelli, Karl Henrik Johansson and Carla Seatzu, Consensus in multi-agent systems with second-order dynamics and non-periodic sampled-data exchange, *19th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA'2014), Barcelona, Spain, September 2014.*

C89. Jana Tumova, Alejandro Marzinotto, Dimos V. Dimarogonas and Danica Kragic, Maximally Satisfying LTL Action Planning, *IEEE/RSJ International Conference on Intelligent Robots and Systems(IROS), Chicago, USA, pp. 1503-1510, September 2014.*

C88. Martin Andreasson, Mohammad Nazari, Dimos V. Dimarogonas, Henrik Sandberg, Karl H. Johansson and Mehrdad Ghandari, Distributed Voltage and Current Control of Multi-Terminal High-Voltage Direct Current Transmission Systems, *19th IFAC World Congress, Cape Town, South Africa, August 2014.*

C87. Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Partial and full attitude synchronization of multiple underactuated spacecraft, *ISCCSP'14, Athens, Greece, May 2014.*

C86. Jana Tumova and Dimos V. Dimarogonas, A Receding Horizon Approach to Multi-Agent Planning from Local LTL Specifications, *2014 American Control Conference, Portland, OR, pp. 1775-1780, June 2014.*

C85. Martin Andreasson, Dimos V. Dimarogonas, Henrik Sandberg and Karl H. Johansson, Distributed PI-Control with Applications to Power Systems Frequency Control, *2014 American Control Conference, Portland, OR, pp. 3183-3188, June 2014.*

C84. Meng Guo and Dimos V. Dimarogonas, Distributed Plan Reconfiguration via Knowledge Transfer in Multi-agent Systems under Local LTL Specifications, *2014 IEEE International Conference on Robotics and Automation, Hong Kong, China, pp. 4304-4309, May 2014.*

C83. Shahab Heshmati-alamdari, Alina Eqtami, George Karras, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, A Self-triggered Visual Servoing Model Predictive Control Scheme for

Underwater Robotic Vehicles, *2014 IEEE International Conference on Robotics and Automation, Hong Kong, China*, pp. 3826-3831, May 2014.

C82. Yuecheng Yang, Dimos V. Dimarogonas and Xiaoming Hu, Optimal Leader-Follower Control for Crowd Evacuation, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 2769-2774, December 2013.

C81. Alina Eqtami, Shahab Heshmati-alamdari, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, A Self-triggered Model Predictive Control Framework for the Cooperation of Distributed Nonholonomic Agents, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 7384-7389, December 2013.

C80. Meng Guo and Dimos V. Dimarogonas, Reconfiguration in Motion Planning of Single- and Multi-agent Systems under Infeasible Local LTL Specifications, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 2758-2763, December 2013.

C79. Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Zero-error Coordinated Tracking of Multiple Lagrange Systems Using Continuous Control, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 6712-6717, December 2013.

C78. Ziyang Meng, Tao Yang, Dimos V. Dimarogonas and Karl H. Johansson, Coordinated Output Regulation of Multiple Heterogeneous Linear Systems, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 2175-2180, December 2013.

C77. Tao Yang, Ziyang Meng, Dimos V. Dimarogonas and Karl H. Johansson, Periodic Behaviors in Multi-agent Systems with Input Saturation Constraints, *52nd IEEE Conference on Decision and Control, Firenze, Italy*, pp. 4467-4472, December 2013.

C76. Michele Colledanchise, Dimos V. Dimarogonas and Petter Ögren, Obstacle Avoidance in Formation using Navigation-like Functions and Constraint Based Programming, *IEEE/RSJ International Conference on Intelligent Robots and Systems(IROS), Tokyo, Japan*, pp. 240-245, November 2013.

C75. Meng Guo, Karl H. Johansson and Dimos V. Dimarogonas, Robot Motion and Action Planning under LTL Specification using Navigation Functions and Action Description Language, *IEEE/RSJ International Conference on Intelligent Robots and Systems(IROS), Tokyo, Japan*, pp. 240-245, November 2013.

C74. Alessandro Borri, Dimos V. Dimarogonas, Karl H. Johansson, Marika D. Di Benedetto, Giordano Pola, Decentralized symbolic control of interconnected systems with application to vehicle platooning, *IFAC Workshop on Estimation and Control of Networked Systems (NECSYS), Koblenz, Germany*, 2013.

C73. Davide Liuzza, Dimos V. Dimarogonas, Mario di Bernardo and Karl H. Johansson, Distributed model-based event-triggered control for synchronization of multi-agent systems, *IFAC NOLCOS, Toulouse, France*, pp. 329-334, 2013.

C72. Ross Anderson, Dejan Milutinovic, Dimos V. Dimarogonas, "Self-Triggered Stabilization of Continuous Stochastic State-Feedback Controlled Systems", *2013 European Control Conference, Zurich, Switzerland*, pp. 1151-1155, July 2013.

C71. Tao Yang, Ziyang Meng, Dimos V. Dimarogonas and Karl Henrik Johansson, "Global Consensus for Discrete-time Multi-Agent Systems with Input Saturation Constraints", 2013 European Control Conference, Zurich, Switzerland, pp. 244-249, July 2013.

C70. Alina Eqtami, Shahab Heshmati-alamdari, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Self-Triggered Model Predictive Control for Nonholonomic Systems", 2013 European Control Conference, Zurich, Switzerland, pp. 638-643, July 2013.

C69. Martin Andreasson, Dimos V. Dimarogonas, Karl Henrik Johansson and Henrik Sandberg, "Distributed vs. Centralized Power Systems Frequency Control under Unknown Load Changes", 2013 European Control Conference, Zurich, Switzerland, pp. 3524-3529, July 2013.

C68. Hans-Bernd Dürr, Milos S. Stankovic, Dimos V. Dimarogonas, Christian Ebenbauer and Karl H. Johansson, "Obstacle Avoidance for an Extremum Seeking System using a Navigation Function", 2013 American Control Conference, Washington, DC, pp. 4068-4073, June 2013.

C67. Meng Guo, Karl H. Johansson and Dimos V. Dimarogonas, "Revising Motion Planning under Linear Temporal Logic Specifications in Partially Known Workspaces", 2013 IEEE International Conference on Robotics and Automation, Karlsruhe, Germany, pp. 5010-5017, May 2013.

C66. Andrea Simonetto, Tamas Keviczky and Dimos V. Dimarogonas, "Distributed Solution for a Maximum Variance Unfolding Problem with Sensor and Robotic Network Applications", 50th Annual Allerton Conference on Communications, Control and Computing, Monticello, IL, USA, 2012.

C65. Yuecheng Yang, Dimos V. Dimarogonas and Xiaoming Hu, "Opinion consensus of modified Hegselmann-Krause models", 51st IEEE Conference on Decision and Control, Maui, Hawaii, pp. 100-105, December 2012.

C64. Yiannis Karayiannidis, Dimos V. Dimarogonas and Danica Kragic, "Multi-agent average consensus control with prescribed performance guarantees", 51st IEEE Conference on Decision and Control, Maui, Hawaii, pp. 2219-2205, December 2012.

C63. Martin Andreasson, Henrik Sandberg, Dimos V. Dimarogonas and Karl H. Johansson, "Distributed Integral Action: Stability Analysis and Frequency Control of Power Systems", 51st IEEE Conference on Decision and Control, Maui, Hawaii, pp. 2077-2083, December 2012.

C62. Alina Eqtami, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Aperiodic Model Predictive Control via Perturbation Analysis", 51st IEEE Conference on Decision and Control, Maui, Hawaii, pp. 7193-7198, December 2012.

C61. Ioannis Filippidis, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Decentralized Multi-Agent Control from Local LTL Specifications", 51st IEEE Conference on Decision and Control, Maui, Hawaii, pp. 6235-6240, December 2012.

C60. Georg S. Seyboth, Dimos V. Dimarogonas, Karl H. Johansson and Frank Allgower, "Static Diffusive Couplings in Heterogeneous Linear Networks", IFAC Workshop on Estimation and Control of Networked Systems (NECSYS), Santa Barbara, CA, USA, September 2012.

- C59. Pablo Millan, Ubaldo Tiberi, Carlo Fischione, Dimos V. Dimarogonas, Francisco Rubio and Karl Henrik Johansson, "Distributed Event-based Observers for LTI Networked Systems", 10th Portuguese Conference on Automatic Control – CONTROLO'12, Madeira, Portugal, July 2012.
- C58. Kim Vizins, Dimos V. Dimarogonas and Bo Wahlberg, "Modeling and Control of Dual Arm Robotic Manipulators using Decentralized Navigation Functions", 10th IFAC Symposium on Robot Control (SYROCO 2012), September 2012.
- C57. Spyros Maniatopoulos, Dimos V. Dimarogonas, Kostas J. Kyriakopoulos, "Decentralized Event-Triggered Predictive Navigation for Aircraft-like Vehicles", 2012 American Control Conference, Montreal, Canada, pp. 2503-2508, June 2012.
- C56. Rosario Aragues, Guodong Shi, Dimos V. Dimarogonas, Carlos Sagues, Karl H. Johansson, "Distributed Algebraic Connectivity Estimation for Adaptive Event-triggered Consensus", 2012 American Control Conference, Montreal, Canada, pp. 32-37, June 2012.
- C55. Meng Guo, Dimos V. Dimarogonas, Karl H. Johansson, "Distributed Real-time Fault Detection and Isolation For Cooperative Multi-agent Systems", 2012 American Control Conference, 2012 American Control Conference, Montreal, Canada, pp. 5270-5275, June 2012.
- C54. Alina Eqtami, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Event-Based Model Predictive Control for the Cooperation of Distributed Agents", 2012 American Control Conference, 2012 American Control Conference, Montreal, Canada, pp. 6473-6478, June 2012.
- C53. Martin Andreasson, Dimos V. Dimarogonas, Karl H. Johansson, "Undamped Nonlinear Consensus Using Integral Lyapunov Functions", 2012 American Control Conference, Montreal, Canada, pp. 6644-6649, June 2012.
- C52. Meng Guo and Dimos V. Dimarogonas, "Quantized cooperative control using relative state measurements", 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, pp. 5601-5605, December 2011.
- C51. Dimos V. Dimarogonas, "L2 Gain Stability Analysis of Event-triggered Agreement Protocols", 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, USA, pp. 2130-2135, December 2011.
- C50. Dimos V. Dimarogonas, "Sufficient Conditions for Decentralized Navigation Functions Based Controllers using Canonical Vector Fields", 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, USA, pp. 6433-6438, December 2011.
- C49. Maria Guinaldo, Dimos V. Dimarogonas, Karl H. Johansson, José Sánchez Moreno and Sebastián Dormido, "Distributed event-based control for interconnected linear systems", 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, USA, pp. 2553-2558, December 2011.
- C48. Alina Eqtami, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Novel Event-Triggered Strategies for Model Predictive Controllers", 50th IEEE Conference on Decision and Control and European Control Conference, Orlando, FL, USA, pp. 3392-3397, December 2011.

- C47. Georg S. Seyboth, Dimos V. Dimarogonas and Karl H. Johansson, Control of Multi-Agent Systems via Event-Based Communication, 18th IFAC World Congress, Milano, Italy, August 2011.
- C46. Alina Eqtami, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, Event-Triggered Strategies for Decentralized Model Predictive Controllers, 18th IFAC World Congress, Milano, Italy, August 2011.
- C45. Dimos V. Dimarogonas, Emilio Frazzoli and Karl H. Johansson, "Distributed Self-Triggered Control for Multi-Agent Systems", 49th IEEE Conference on Decision and Control, Atlanta, GA, USA, pp. 6716-6721, December 2010.
- C44. Dimos V. Dimarogonas and Emilio Frazzoli, "Analysis of Decentralized Potential Field Based Multi-Agent Navigation via Primal-Dual Lyapunov Theory", 49th IEEE Conference on Decision and Control, Atlanta, GA, USA, pp. 1215-1220, December 2010.
- C43. Pedro Vaz Texeira, Dimos V. Dimarogonas, Karl H. Johansson and Joao Borges de Sousa, "Event-based motion coordination of multiple underwater vehicles under disturbances", 2010 IEEE OCEANS, Sydney, Australia, May 2010.
- C42. Alina Eqtami, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Event-triggered Control for Discrete-Time Systems", 2010 American Control Conference, Baltimore, MD, USA, pp. 4719-4724, July 2010.
- C41. Pedro Vaz Texeira, Dimos V. Dimarogonas, Karl H. Johansson and Joao Borges de Sousa, "Multi-agent Coordination with Event-Based Communication", 2010 American Control Conference, Baltimore, MD, USA, pp. 824-829, July 2010.
- C40. Kevin Spieser, Dimos V. Dimarogonas and Emilio Frazzoli, "On the Transfer Time Complexity of Cooperative Vehicle Routing", 2010 American Control Conference, Baltimore, MD, USA, pp. 3039-3044, July 2010.
- C39. Dimos V. Dimarogonas and Emilio Frazzoli, "Distributed Event-Triggered Strategies for Multi-Agent Systems", 47th Annual Allerton Conference on Communications, Control and Computing, Monticello, IL, USA, 2009.
- C38. Dimos V. Dimarogonas and Karl H. Johansson, "Event-Triggered Control for Multi-Agent Systems", 48th IEEE Conference on Decision and Control, Shanghai, China, pp. 7131-7136, December 2009.
- C37. Alexandre Seuret, Dimos V. Dimarogonas and Karl H. Johansson, "Consensus of Double Integrator Multi-agents under Communication Delay", 8th IFAC Workshop on Time Delay Systems, Sinaia, Romania, 2009.
- C36. Tove Gustavi, Dimos V. Dimarogonas, Magnus Egerstedt and Xiaoming Hu, "On the Number of Leaders Needed to Ensure Network Connectivity in Arbitrary Dimensions", 17th IEEE Mediterranean Conference on Control and Automation, Thessaloniki, Greece, pp. 98-103, June 2009.
- C35. Dimos V. Dimarogonas and Karl H. Johansson, "Event-Triggered Cooperative Control", 2009 European Control Conference, Budapest, Hungary, 2009.

- C34. Giannis Roussos, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Distributed 3D Navigation and Collision Avoidance Nonholonomic Aircraft-like Vehicles", 2009 European Control Conference, Budapest, Hungary, 2009.
- C33. Dimos V. Dimarogonas and Karl H. Johansson, "Further Results on the Stability of Distance-based Multi-Robot Formations", 2009 American Control Conference, St. Louis, MO, USA, pp. 2972-2977, June 2009.
- C32. Alexandre Seuret, Dimos V. Dimarogonas and Karl H. Johansson, "Consensus under Communication Delays", 47th IEEE Conference on Decision and Control, Cancun, Mexico, pp. 4922-4927, December 2008.
- C31. Dimos V. Dimarogonas, Tove Gustavi, Magnus Egerstedt and Xiaoming Hu, "On the Number of Leaders Needed to Ensure Network Connectivity", 47th IEEE Conference on Decision and Control, Cancun, Mexico, pp. 1797-1802, December 2008.
- C30. Dimos V. Dimarogonas and Karl H. Johansson, "On the Stability of Distance-based Formation Control", 47th IEEE Conference on Decision and Control, Cancun, Mexico, pp. 1200-1205, December 2008.
- C29. Dimos V. Dimarogonas and Karl H. Johansson, "Analysis of Robot Navigation Schemes Using Rantzer's Dual Lyapunov Theorem", 2008 American Control Conference, Seattle, WA, USA, pp. 201-206, June 2008.
- C28. Dimos V. Dimarogonas, Panagiotis Tsiotras and Kostas J. Kyriakopoulos, "Leader-Follower Cooperative Attitude Control of Multiple Rigid Bodies", 2008 American Control Conference, Seattle, WA, USA, pp. 801-806, June 2008.
- C27. Dimos V. Dimarogonas and Karl H. Johansson, "Quantized Agreement under Time-varying Communication Topology", 2008 American Control Conference, Seattle, WA, USA, pp. 4376-4381, June 2008.
- C26. Giannis Roussos, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "3D Navigation and Collision Avoidance for a Non-Holonomic Vehicle", 2008 American Control Conference, Seattle, WA, USA, pp. 3512-3517, June 2008.
- C25. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Inverse Agreement Algorithms with Application to Swarm Dispersion for Multiple Nonholonomic Agents", 2008 IEEE International Conference on Robotics and Automation, Pasadena, CA, USA, pp. 1973-1978, May 2008.
- C24. Dimos V. Dimarogonas and Karl H. Johansson, "Decentralized Connectivity Maintenance in Mobile Networks with Bounded Inputs", 2008 IEEE International Conference on Robotics and Automation, Pasadena, CA, USA, pp. 1507-1512, May 2008.
- C23. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "An Inverse Agreement Control Strategy with Application to Swarm Dispersion", 46th IEEE Conference on Decision and Control, New Orleans, LA, USA, pp. 6148-6153, December 2007.

- C22. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Further Results on Formation Infeasibility and Velocity Alignment", 46th IEEE Conference on Decision and Control, New Orleans, LA, USA, pp. 1447-1452, December 2007.
- C21. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Connectivity Preserving Distributed Swarm Aggregation for Multiple Kinematic Agents", 46th IEEE Conference on Decision and Control, New Orleans, LA, USA, pp. 2913-2918, December 2007.
- 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.
- C19. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "An Application of Rantzer's Dual Lyapunov Theorem to Decentralized Navigation", 15th Mediterranean Conference on Control and Automation, Athens, Greece, June 2007.
- C18. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "An Application of Rantzer's Dual Lyapunov Theorem to Decentralized Formation Stabilization", 2007 European Control Conference, Kos, Greece, pp. 882-888, July 2007.
- C17. Grigoris Lionis, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Closed Loop Navigation for Multiple Micro Robots", 2007 European Control Conference, Kos, Greece, pp. 1471-1476, July 2007.
- C16. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "An Improved Result for the Stability of Interconnected Systems based on a New Gersgorin-type Criterion", 2007 European Control Conference, Kos, Greece, pp. 535-539, July 2007.
- C15. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Connectivity Preserving State Agreement for Multiple Unicycles", 2007 American Control Conference, New York City, NY, pp. 1179-1184, July 2007.
- C14. Dimos V. Dimarogonas, Magnus Egerstedt and Kostas J. Kyriakopoulos, "A Leader-based Containment Control Strategy for Multiple Unicycles", 45th IEEE Conference on Decision and Control, San Diego, CA, 45th IEEE Conference on Decision and Control, San Diego, CA, pp.5968-5973, December 2006.
- C13. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "On the State Agreement Problem for Multiple Unicycles with Varying Communication Links", 45th IEEE Conference on Decision and Control, San Diego, CA, pp.4283-4288, December 2006.
- C12. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Distributed Cooperative Control and Collision Avoidance for Multiple Agents", 45th IEEE Conference on Decision and Control, San Diego, CA, pp.721-726, December 2006.
- C11. Dimos V. Dimarogonas, Panagiotis Tsiotras and Kostas J. Kyriakopoulos, "Laplacian Cooperative Attitude Control of Multiple Rigid Bodies", IEEE 2006 International Symposium on Intelligent Control, Munich, Germany, pp. 3064-3069, October 2006.

C10. Dimos V. Dimarogonas, Kostas J. Kyriakopoulos and Dimitris Theodorakatos “Totally Distributed Motion Control of Sphere World Multi-agent Systems Using Decentralized Navigation Functions”, 2006 IEEE International Conference on Robotics and Automation, pp. 2430-2435, Orlando, FL, May 2006.

C9. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “A Connection Between Formation Control and Flocking Behavior in Nonholonomic Multiagent Systems”, 2006 IEEE International Conference on Robotics and Automation, pp. 940-945, Orlando, FL, May 2006.

C8. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “On the State Agreement Problem for Multiple Unicycles”, 2006 American Control Conference, pp. 2016-2021, Minneapolis, MN, June 2006.

C7. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Formation Control and Collision Avoidance for Multi-Agent Systems and a Connection between Formation Infeasibility and Flocking Behavior”, 44th IEEE Conference on Decision and Control, pp. 84-89, Seville, Spain, December 2005.

C6. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “A Feedback Stabilization and Collision Avoidance Scheme for Multiple Independent Nonholonomic Non-point Agents”, 2005 International Symposium on Intelligent Control & 13th Mediterranean Conference on Control and Automation, pp. 820-825, Limassol, Cyprus, June 2005.

C5. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Decentralized Motion Control of Multiple Agents with Double Integrator Dynamics”, 16th IFAC World Congress, Prague, Czech Republic, 2005.

C4. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Decentralized Stabilization and Collision Avoidance of Multiple Air Vehicles with Limited Sensing Capabilities”, 2005 American Control Conference, pp. 4667-4772, Portland, OR, June 2005.

C3. Savvas G. Loizou, Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Decentralized Feedback Stabilization of Multiple Nonholonomic Agents”, 2004 IEEE International Conference on Robotics and Automation, pp. 3012-3017, New Orleans, LA, April 2004.

C2. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, “Lyapunov-like Stability of Switched Stochastic Systems”, 2004 American Control Conference, pp. 1868-1872, Boston, MA, June 2004.

C1. Dimos V. Dimarogonas, Michalis M. Zavlanos, Savvas G. Loizou and Kostas J. Kyriakopoulos, “Decentralized Motion Control of Multiple Holonomic Agents Under Input Constraints”, 42nd IEEE Conference on Decision and Control, pp. 3390-3395, Maui, Hawaii, December 2003.

WORKSHOP PARTICIPATIONS

W3. Martin Larsson, Jonas Lindberg, Jens Lycke, Karl Hansson, Aziz Khakulov, Emil Ringh, Fredrik Svensson, Isak Tjernberg, Assad Alam, Jose Araujo, Farhad Farokhi, Euhanna Gadhimi, Andre Teixeira, Dimos V. Dimarogonas and Karl H. Johansson, “Towards an Indoor Testbed for Mobile Networked Control Systems”, First Workshop on Research, Development and Education on Unmanned Aerial Systems (RED-UAS 2011), Seville, Spain 2011.

W2. F. Katsilieris, M. Lindhé, D. V. Dimarogonas, P. Ögren, and K. H. Johansson, Demonstration of multi-robot search and secure, 2010 IEEE International Conference on Robotics and Automation, Workshop on Search and Pursuit/Evasion in the Physical World: Efficiency, Scalability, and Guarantees, Anchorage, AK, USA, 2010, to appear.

W1. Dimos V. Dimarogonas and Kostas J. Kyriakopoulos, "Connectedness Preserving Distributed Swarm Aggregation for Multiple Kinematic Agents", 2007 International Conference on Robotics and Automation, Workshop on Collective Behaviors inspired by Biological and Biochemical Systems, Invited Paper, Rome, Italy, April 2007.