

















ANNUAL European Systems & Control PhD Thesis Award









The EECI PhD Award (1000 EUR) is given annually in recognition of the best PhD thesis in Europe in the field of Control for Complex and Heterogeneous Systems

Prize winners since 2007:

PhD Award year	Awarded to	Home University & Defense date	PhD title	Award Ceremony
2020	Christos Verginis 	KTH Royal Institute of Technology, Stockholm 2020	Planning and Control of Uncertain Cooperative Mobile Manipulator-Endowed Systems under Temporal Logic Tasks	<i>virtual</i>
2019	Amaury Hayat 	University of Sorbonne, 2019	Stabilization of 1D nonlinear hyperbolic systems by boundary controls	<i>virtual</i>
2019	Yang Zheng 	University of Oxford, 2019	Chordal Sparsity in Control and Optimization of Large-scale Systems	<i>virtual</i>

2018	<p>Pauline Bernard</p> 	<p>MINES ParisTech, PSL Research University</p> <p>November 2017</p>	<p>Observer design for nonlinear systems</p>	<p>awarded during ECC 2019, Naples, Italy by Prof. Maria D. Di Benedetto</p>
"	<p>Victor Dolk</p> 	<p>Control Systems Technology Department, Eindhoven University of Technology</p> <p>November 2017</p>	<p>Resource-aware and Resilient Control with Applications to Cooperative Driving</p>	<p>awarded during ECC 2019, Naples Italy by Prof. Maria D. DiBenedetto</p>
2017	<p>Hafiz Ahmed</p> 	<p>INRIA, University of Lille 1</p> <p>September 2016</p>	<p>Modeling and Synchronization of Biological Rhythms: From Cells to Oyster Behavior</p>	<p>awarded during ECC 2018, Limassol, Cyprus by Doctor Denis Efimov</p>
"	<p>Julian Barreiro-Gomez</p> 	<p>Institut de Robòtica i Informàtica Industrial, CSIC-UPC, and Universidad de los Andes</p> <p>April 2017</p>	<p>The Role of Population Games in the Design of Optimization-based Controllers: A Large-scale Insight</p>	<p>awarded during ECC 2018, Limassol, Cyprus by Doctor Denis Efimov</p>
"	<p>Mohamed Adlene Maghenem</p> 	<p>L2S, Université Paris-Saclay - Paris Sud</p> <p>July 2017</p>	<p>Stability and Stabilization of Networked Systems</p>	<p>awarded during ECC 2018, Limassol, Cyprus by Doctor Denis Efimov</p>

2016	<p><u>Giulia Giordano</u></p> 	<p>Dipartimento di Scienze Matematiche, Informatiche e Fisiche - Università degli Studi di Udine March 2016</p>	<p><u>Structural Analysis and Control of Dynamical Networks</u></p>	 <p>awarded during IFAC WC 2017, Toulouse by Doctor Denis Efimov and Prof. Luca Greco</p>
2015	<p><u>Thomas P. Prescott</u></p> 	<p>Department of Engineering Science - University of Oxford June 2015</p>	<p><u>Large-Scale Layered Systems and Synthetic Biology: Model Reduction and Decomposition</u></p>	 <p>awarded during ECC 2016, Aalborg by Doctor Denis Efimov</p>
"	<p><u>Matthias A. Müller</u></p> 	<p>Institute for Systems Theory and Automatic Control - University of Stuttgart July 2014</p>	<p><u>Distributed and economic model predictive control: beyond setpoint stabilization</u></p>	
2014	<p><u>Mathias Bürger</u></p> 	<p>Institute for Systems Theory and Automatic Control - University of Stuttgart December 2013</p>	<p><u>Duality and approximation Methods for cooperative optimization and control</u></p>	 <p>awarded during ECC 2015, Linz by Doctor Denis Efimov</p>
"	<p><u>Thomas Berger</u></p> 	<p>Technische Universität Ilmenau October 2013</p>	<p><u>On differential-algebraic control systems</u></p>	

<p>2013</p>	<p><u>Delphine Bresch-Pietri</u></p> 	<p>MINES ParisTech - Centre Automatique et Systèmes</p> <p>December 2012</p>	<p><u>Robust control of variable time-delay systems. Theoretical contributions and applications to engine control</u></p>	 <p>awarded during ECC 2014, Strasbourg by Doctor Françoise Lamnabhi-Lagarrigue</p>
<p>2012</p>	<p><u>Alessio Franci</u></p> 	<p>Université Paris-Sud 11, CNRS-L2S</p> <p>April 2012</p>	<p><u>Pathological synchronization in neuronal populations: a control theoretic perspective</u></p>	 <p>awarded during IEEE CDC 2013, Firenze by Professor Maria Domenica Di Benedetto and Doctor Romeo Ortega</p>
<p>2011</p>	<p><u>Justin Rice</u></p> 	<p>Technische Universiteit Delft, Delft Center for Systems and Control</p> <p>September 2010</p>	<p><u>Efficient algorithms for distributed control: a structured matrix approach</u></p>	 <p>awarded during IEEE CDC-ECC 2011, Orlando, by Professor Maria Domenica Di Benedetto</p>
<p>2010</p>	<p><u>Ulrich Munz</u></p> 	<p>Institute for Systems Theory and Automatic Control, University of Stuttgart</p> <p>March 2010</p>	<p><u>Delay Robustness in Cooperative Control</u></p>	 <p>awarded during IFAC World Congress, Milan, by Professor Sebastian Engell</p>

2009	<p><u>Alain Sarlette</u></p> 	<p>University of Liege, Belgium</p> <p>March 2009</p>	<p><u>Geometry and Symmetries in Coordination Control</u></p>	<p>awarded during IEEE CDC-CCC, Shanghai by Professor Maria Domenica Di Benedetto</p>
"	<p><u>Ruggero Carli</u></p> 	<p>University di Padova, Italy</p> <p>March 2009</p>	<p><u>Topics on the average consensus problem</u></p>	<p>awarded during IEEE CDC-CCC, Shanghai by Professor Marika Di Benedetto</p>
2008	<p><u>Julien M. Hendrick</u></p> 	<p>Université Catholique de Louvain-la-Neuve, Belgium</p> <p>February 2008</p>	<p><i>Graph and networks for the analysis of autonomous agents systems</i></p>	
2007	<p><u>Mircea Lazar</u></p> 	<p>Eindhoven University of Technology, the Netherlands,</p> <p>September 2006</p>	<p><i>Model Predictive Control of Hybrid Systems</i></p>	
"	<p><u>Antoine Chaillet</u></p> 	<p>Université Paris-Sud 11</p> <p>July 2006</p>	<p><i>Analyse et commande des systemes variants dans le temps</i></p>	