10:40-11:00	ThA03.3

Discrete Time Robust Stability Design of PID Controllers-Autonomous Sailing Vessel Application, pp. 2005-2010.

Emami, Tooran	U.S. Coast Guard Acad.
Hartnett, Richard	U. S. Coast Guard Acad.

11:00-11:20	ThA04.4

Low Cost Development of a Nonlinear Simulation for a Flexible Uninhabited Air Vehicle, pp. 2041-2046.

Kotikalpudi, Aditya	Univ. of Minnesota
Moreno, Claudia Patricia	Univ. of Minnesota
Taylor, Brian	Univ. of Minnesota
Pfifer, Harald	Univ. of Minnesota
Balas, Gary J.	Univ. of Minnesota

10:20-10:40	ThA06.2

Consensus-Based Cooperative Formation Control with Collision Avoidance for a Multi-UAV System, pp. 2089-2094.

Kuriki, Yasuhiro	Keio Univ.
Namerikawa, Toru	Keio Univ.

10:00-10:20	ThA07.1

Predictive Roll, Handling and Ride Control of Vehicles Via Active Suspensions, pp. 2114-2119.

Zhu, Qilun	Clemson Univ. CU-ICAR
Ayalew, Beshah	Clemson Univ.

10:20-10:40	ThA09.2

Online Shortest Path Routing: The Value of Information, pp. 2154-2159.

Zou, Zhenhua	KTH-Royal Inst. of Tech. Sweden
Proutiere, Alexandre	KTH
Johansson, Mikael	KTH - Royal Inst. of Tech.

10:20-10:40	ThA10.2

High-Frequency-Variation Speed Control of Spindle Motor for Chatter Vibration Suppression in NC Machine Tools (I), pp. 2184-2189.

Ishibashi, Teruaki	The Univ. of Tokyo
Fujimoto, Hiroshi	Graduate School of Frontier Sciences
Ishii, Shinji	MORI SEIKI CO.,LTD.
Yamamoto, Koji	MORI SEIKI CO.,LTD.
Terada, Yuki	MORI SEIKI CO.,LTD.

10:20-10:40	ThA11.2

Control of Multiscale Model for Social Dynamics (I), pp. 2214-2219.

Piccoli, Benedetto	Rutgers Univ. - Camden
Rossi, Francesco	Aix-Marseille Univ.

11:00-11:20	ThA12.4

Offset-Free Model Predictive Control of a Heat Pump, pp. 2259-2264.

Wallace, Matt	McMaster Univ.
Mhaskar, Prashant	McMaster Univ.
House, John	Johnson Controls
Salsbury, Timothy	Johnson Controls, Inc.

11:20-11:40	ThA13.5

Discrete-Time Frequency-Locked-Loop Filters for Exact Asymptotic Rejection of Sinusoidal Disturbances, pp. 2297-2302.

Tedesco, Francesco	Univ. della Calabria
Casavola, Alessandro	Univ. Della Calabria

Fedele, Giuseppe	Univ. of Calabria

10:40-11:00	ThA14.3

Synthesis of Correct-By-Construction Control Protocols for Hybrid Systems Using Partial State Information (I), pp. 2317-2323.

Mickelin, Oscar	Royal Inst. of Tech. KTH
Ozay, Necmiye	Univ. of Michigan
Murray, Richard M.	California Inst. of Tech.

11:00-11:20	ThA15.4

Minimum Time Control for a Newtonian Particle in a Spatiotemporal Flow Field, pp. 2354-2359.

Bakolas, Efstathios	The Univ. of Texas at Austin
Morse, A. Stephen	Yale Univ.

11:20-11:40	ThA16.5

Stability, Robustness, and Performance Issues in Second Level Adaptation, pp. 2389-2394.

Narendra, Kumpati S.	Yale Univ.
Wang, Yu	Yale Univ.
Chen, Wei	Beijing Inst. of Tech.

10:20-10:40	ThA17.2

A Hybrid Model Predictive Control Strategy for Optimizing a Smoking Cessation Intervention, pp. 2401-2406.

Timms, Kevin P.	Arizona State Univ.
Rivera, Daniel E.	Arizona State Univ.
Piper, Megan	Univ. of Wisconsin, Center for Tobacco Res. &Interventi
Collins, Linda M	Penn State

14:40-15:00	ThB03.3

Real-Time Guidance Strategies for Optimizing Aircraft Performance in Stochastic Wind Conditions, pp. 2492-2497.

Turkoglu, Kamran	San Jose State Univ.

15:00-15:20	ThB04.4

Evaluating Wake Models for Wind Farm Control, pp. 2529-2535.

Annoni, Jennifer	Univ. of Minnesota
Seiler, Peter	Univ. of Minnesota
Johnson, Kathryn	Colorado School of Mines
Fleming, Paul	National Renewable Energy Lab.
Gebraad, Pieter M.O.	Delft Univ. of Tech.

15:20-15:40	ThB05.5

Flipping the Controls Classroom Around a MOOC (I), pp. 2569-2574.

de la Croix, Jean-Pierre	Georgia Inst. of Tech.
Egerstedt, Magnus	Georgia Inst. of Tech.

14:40-15:00	ThB06.3

LMI Sufficient Conditions for the Consensus of Linear Agents with Nearly-Periodic Resets, pp. 2587-2592.

Bragagnolo, Marcos Cesar	Univ. de Lorraine
Morarescu, Irinel-Constantin	Univ. de Lorraine
Daafouz, Jamal	Univ. de Lorraine, CRAN, CNRS
Riedinger, Pierre	Univ. de Lorraine

15:20-15:40	ThB07.5

Design of Hybrid Position/Force Engagement Controller for Dry Dual Clutch Transmission without Diaphragm Spring, pp. 2630-2635.

| Oh, Jiwon | Korea Advanced Inst. of Science and Tech. |
| Choi, Seibum Ben | KAIST |

| 14:40-15:00 | ThB08.3 |

Probabilistic Robustness Analysis of Stochastic Jump Linear Systems, pp. 2650-2655.

Lee, Kooktae	Texas A&M Univ.
Halder, Abhishek	Texas A&M Univ.
Bhattacharya, Raktim	Texas A&M

| 14:00-14:20 | ThB09.1 |

Tracking of Kuramoto Oscillators with Input Saturation and Applications in Smart Grids, pp. 2668-2673.

Giraldo, Jairo	Univ. de los Andes
Mojica-Nava, Eduardo	National Univ. of Colombia
Quijano, Nicanor	Univ. de los Andes

| 15:20-15:40 | ThB10.5 |

How Good Is Bad Weather? (I), pp. 2723-2728.

Fullmer, Daniel	Brigham Young Univ.
Chetty, Vasu	Brigham Young Univ.
Warnick, Sean	Brigham Young Univ.

| 14:20-14:40 | ThB11.2 |

Novel Hybrid Positive Feedback Control for Active Vibration Suppression in Flexible Structure, pp. 2735-2740.

| Omidi, Ehsan | The Univ. of Alabama |
| Mahmoodi, S. Nima | Univ. of Alabama |

| 15:20-15:40 | ThB12.5 |

A Scalable Formulation for Engineering Combination Therapies for Evolutionary Dynamics of Disease, pp. 2783-2790.

Jonsson, Vanessa	California Inst. of Tech.
Rantzer, Anders	Lund Univ.
Murray, Richard M.	California Inst. of Tech.

| 14:40-15:00 | ThB13.3 |

Model Based Off-Road Terrain Profile Estimation, pp. 2804-2809.

| Dawkins, Jeremy | United States Naval Acad. |

| 15:00-15:20 | ThB14.4 |

A Subsystem Identification Technique for Modeling Control Strategies Used by Humans, pp. 2839-2844.

Zhang, Xingye	Univ. of Kentucky
Wang, Shaoqian	Univ. of Kentucky
Seigler, Thomas	Univ. of Kentucky
Hoagg, Jesse B.	Univ. of Kentucky

| 14:20-14:40 | ThB15.2 |

Performance Analysis of Economic MPC with Self-Tuning Terminal Cost, pp. 2857-2862.

Muller, Matthias A.	Univ. of Stuttgart
Angeli, David	Imperial Coll.
Allgöwer, Frank	Univ. of Stuttgart

| 15:00-15:20 | ThB16.4 |

Implementation of an Adaptive, Model Free, Learning Controller on the Atlas Robot, pp. 2899-2904.

| Atmeh, Ghassan | Univ. of Texas at Arlington |
| Ranatunga, Isura | Univ. of Texas at Arlington |

Popa, Dan	The Univ. of Texas at Arlington
Subbarao, Kamesh	The Univ. of Texas, Arlington
Lewis, Frank L.	Univ. of Texas at Arlington
Rowe, Patrick	RE2

15:00-15:20	ThB17.4

Using Verified Control Envelopes for Safe Controller Design, pp. 2930-2935.

Arechiga, Nikos	Carnegie Mellon Univ.
Krogh, Bruce H.	Carnegie Mellon Univ.

15:20-15:40	ThB19.5

Newton's Method for Constrained Norm Minimization and Its Application to Weighted Graph Problems, pp. 2995-3000.

El Chamie, Mahmoud	INRIA - Sophia Antipolis Méditerranée
Neglia, Giovanni	INRIA Sophia Antipolis Méditerranée

17:00-17:20	ThC01.4

Semidefinite Relaxations for Stochastic Optimal Control Policies, pp. 3018-3024.

Horowitz, Matanya	California Inst. of Tech.
Burdick, Joel W.	California Inst. of Tech.

16:00-16:20	ThC02.1

Finite-Time Average Consensus in a Byzantine Environment Using Set-Valued Observers, pp. 3035-3040.

Silvestre, Daniel	Inst. Superior Tecnico, Univ. de Lisboa
Rosa, Paulo Andre Nobre	Deimos Engenharia
Hespanha, Joao P.	Univ. of California, Santa Barbara
Silvestre, Carlos	Univ. of Macau

17:00-17:20	ThC03.4

Modeling and Control of a Single Axis Tilting Quadcopter, pp. 3089-3094.

Nemati, Alireza	Univ. of Toledo
Kumar, Manish	Univ. of Toledo

17:40-18:00	ThC05.6

A High Level Approach to Mean Value Modeling of an Automotive Engine During Cold-Start, pp. 3177-3182.

Edelberg, Kyle	Univ. of California, Berkeley
Hedrick, Karl	Univ. of California at Berkeley

16:00-16:20	ThC07.1

Open-Loop Vehicle Collision Avoidance and Rollover Prevention Using Previewed Zero-Moment Point, pp. 3219-3224.

Stankiewicz, Paul	The Pennsylvania State Univ.
Brown, Alexander	The Pennsylvania State Univ.
Brennan, Sean	The Pennsylvania State Univ.

17:20-17:40	ThC08.5

Set-Transition Observability of Switched Linear Systems, pp. 3279-3284.

Johnson, Scott C.	Purdue Univ.
DeCarlo, Raymond A.	Purdue Univ.
Zefran, Milos	Univ. of Illinois at Chicago

16:20-16:40	ThC09.2

Controllability Metrics, Limitations and Algorithms for Complex Networks, pp. 3299-3304.

Pasqualetti, Fabio	Univ. of California, Riverside
Zampieri, Sandro	Univ. di Padova
Bullo, Francesco	Univ. California at Santa Barbara
Mok, Aloysius K.	The Univ. of Texas at Austin

Gu, Guoxiang	Louisiana State Univ.

16:40-17:00	ThC10.3

Online Calibration of a Compact Series Elastic Actuator, pp. 3341-3346.

Ford, Steven	Carnegie Mellon Univ.
Rollinson, David	Carnegie Mellon Univ.
Willig, Andrew	Carnegie Mellon Univ.
Choset, Howie	Carnegie Mellon Univ.

16:20-16:40	ThC11.2

Discrepancy-Based Control of a Heat Equation with Quadratic Nonlinearity, pp. 3371-3374.

Palis, Stefan	Otto-von-Guericke-Univ. Magdeburg
Kienle, Achim	Magdeburg Univ.

17:20-17:40	ThC13.5

An Adaptive Observer-Based Estimator for Multi-Sinusoidal Signals, pp. 3462-3467.

Chen, Boli	Imperial Coll. London
Pin, Gilberto	Electrolux Professional S.p.A. (Italy)
Parisini, Thomas	Imperial Coll. & Univ. of Trieste

16:20-16:40	ThC14.2

Incorporating Non-Linear Tire Dynamics into a Convex Approach to Shared Steering Control, pp. 3480-3485.

Erlien, Stephen	Stanford Univ.
Funke, Joseph	Stanford Univ.
Gerdes, J. Christian	Stanford Univ.

16:40-17:00	ThC15.3

The Application of an Automated Plant-Wide Control Strategy for a Continuous Pharmaceutical Pilot Plant, pp. 3524-3529.

Lakerveld, Richard	Delft Univ. of Tech.
Benyahia, Brahim	Loughborough Univ.
Heider, Patrick	MIT
Zhang, Haitao	MIT
Wolfe, Aaron	MIT
Testa, Christopher	Massachusetts Inst. of Tech.
Ogden, Sean	MIT
Hersey, Devin	MIT
Mascia, Salvatore	MIT
Evans, James	MIT
Braatz, Richard D.	Massachusetts Inst. of Tech.
Barton, Paul	MIT

16:20-16:40	ThC16.2

Model-Predictive Control Techniques for Hydronic Systems Implemented on Wireless Sensor and Actuator Networks, pp. 3554-3559.

Kane, Michael	Univ. of Michigan
Scruggs, Jeff	Univ. of Michigan
Lynch, Jerome	Univ. of Michigan

17:40-18:00	ThC17.6

Certification of Fixed Computation Time First-Order Optimization-Based Controllers for a Class of Nonlinear Dynamical Systems, pp. 3614-3620.

Korda, Milan	EPFL Lausanne
Jones, Colin N.	École Pol. Fédérale de Lausanne (EPFL)

16:40-17:00	ThC18.3

Proportional Integral Distributed Optimization for Dynamic Network Topologies, pp. 3633-3638.

Droge, Greg Nathanael	Georgia Inst. of Tech.

Egerstedt, Magnus   Georgia Inst. of Tech.

16:40-17:00   ThC19.3

On-Site Simultaneous Calibration of Hysteric and Structural Parameters for Self-Sensing Robotic Tweezers with Strain Amplified Piezoelectric Actuators, pp. 3669-3674.

Han, Chenlu   Georgia Inst. of Tech.
Ueda, Jun   Georgia Inst. of Tech.