10:40-11:00	FrA01.3
System Identification of the Green Bank Telescope Structure and Servo System, pp. 3704-3709.	
Ranka, Trupti	Case Western Res. Univ.
Garcia-Sanz, Mario	Case Western Res. Univ.
Weadon, Timothy	National Radio Astronomy Observatory
Ford, John	National Radio Astronomy Observatory
10:00-10:20	FrA02.1
Importance of Lidar Measurement Timing Accuracy for Wind Turbine Control (I), pp. 3728-3733.	
Dunne, Fiona	Univ. of Colorado Boulder
Pao, Lucy Y.	Univ. of Colorado Boulder
Schlipf, David	Stuttgart Wind Energy, Univ. of Stuttgart
Scholbrock, Andrew	National Renewable Energy Lab.
10:00-10:20	FrA03.1
Estimation of Linear Parameter-Varying Affine State Space Models Using Synchronised Periodic Input and Scheduling Signals (I), pp. 3766-3771.	
Goos, Jan	Vrije Univ. Brussel
Lataire, John	Vrije Univ. Brussel
Pintelon, Rik M.	Vrije Univ. Brussel
10:40-11:00	FrA04.3
A Norm Optimal Iterative Learning Control Framework towards Internet-Distributed Hardware-In-The-Loop Simulation, pp. 3814-3819.	
Ge, Xinyi	Univ. of Michigan
Brudnak, Mark	TARDEC
Stein, Jeffrey L.	Univ. of Michigan
Ersal, Tulga	Univ. of Michigan
10:20-10:40	FrA05.2
Optimal Power Management for a Series Hybrid Electric Vehicle Cognizant of Battery Mechanical Effects, pp. 3844-3849.	
Kim, Youngki	Univ. of Michigan
Mohan, Shankar	Univ. of Michigan
Samad, Nassim	Univ. of Michigan
Siegel, Jason B.	Univ. of Michigan
Stefanopoulou, Anna G.	Univ. of Michigan
10:00-10:20	FrA06.1
Distributed Formation Control without a Global Reference Frame, pp. 3874-3879.	
Montijano, Eduardo	Centro Univ. de la Defensa
Zhou, Dingjiang	Boston Univ.
Schwager, Mac	Boston Univ.
Sagues, Carlos	Univ. de Zaragoza
11:20-11:40	FrA07.5
Low Friction Emulation of Lateral Vehicle Dynamics Using Four-Wheel Steer-By-Wire (I), pp. 3936-3941.	
Russell, Holly	Stanford Univ.
Gerdes, J. Christian	Stanford Univ.
10:40-11:00	FrA08.3
Single-Integration Mode Scheduling for Linear Time-Varying Switched Systems, pp. 3960-3965.	
Mavrommati, Anastasia	Northwestern Univ.
Murphey, Todd	Northwestern Univ.
10:40-11:00	FrA09.3
Stabilization and Destabilization of Network Processes by Sparse Remote Feedback: Graph-Theoretic	

Approach, pp. 3996-4001.

Abad Torres, Jackeline — Washington State Univ.
Roy, Sandip — Washington State Univ.

11:40-12:00 FrA10.6

Planning End Effector Trajectories for a Serially Linked, Floating-Base Robot with Changing Support Polygon, pp. 4050-4055.

Cappo, Ellen — Carnegie Mellon Univ.
Choset, Howie — Carnegie Mellon Univ.

10:00-10:20 FrA11.1

Fluid Flow Control Applications of H2 Optimal Actuator and Sensor Placement (I), pp. 4056-4061.

Chen, Kevin K. — Princeton Univ.
Rowley, Clarence W. — Princeton Univ.

11:00-11:20 FrA12.4

Quadratic Program Based Control of Fully-Actuated Transfemoral Prosthesis for Flat-Ground and Up-Slope Locomotion (I), pp. 4113-4119.

Zhao, Huihua — Texas A&M Univ.
Ames, Aaron — Texas A&M Univ.

11:20-11:40 FrA13.5

Design and Validation of an Extended Kalman Filter for Estimating Hemodynamic Variables, pp. 4157-4162.

Luspay, Tamás — Univ. of Houston
Grigoriadis, Karolos M. — Univ. of Houston

11:40-12:00 FrA14.6

A New Tracking Controller for Neuromuscular Electrical Stimulation under Input Delays: Case Study in Prediction, pp. 4198-4203.

Karafyllis, Iasson — National Tech. Univ. of Athens
Malisoff, Michael — Louisiana State Univ.
de Queiroz, Marcio — Louisiana State Univ.
Krstic, Miroslav — Univ. of California, San Diego
Yang, Ruzhou — Louisiana State Univ.

10:00-10:20 FrA15.1

Improved State Dependent Parametrizations Including a Piecewise Linear Feedback for Constrained Linear MPC, pp. 4204-4209.

Goebel, Gregor — Univ. of Stuttgart
Allgöwer, Frank — Univ. of Stuttgart

10:20-10:40 FrA16.2

Control of Magnetic Bearings with Plug-In Time-Varying Harmonic Resonators (I), pp. 4249-4254.

Kang, Christopher — Univ. of California, Los Angeles
Tsao, Tsu-Chin — Univ. of California, Los Angeles

11:20-11:40 FrA17.5

Conic-Sector-Based Controller Synthesis: Theory and Experiments, pp. 4304-4309.

Bridgeman, Leila Jasmine — McGill Univ.
Caverly, Ryan James — Univ. of Michigan
Forbes, James Richard — Univ. of Michigan

11:00-11:20 FrA18.4

Alternating Direction Method of Multipliers for Strictly Convex Quadratic Programs: Optimal Parameter Selection, pp. 4336-4341.

Raghunathan, Arvind — Mitsubishi Electric Res. Lab.
Di Cairano, Stefano — Mitsubishi Electric Res. Lab.

10:40-11:00 FrA19.3

Utilization of Blade Pitch Control in Low Wind Speed for Floating Offshore Wind Turbines, pp. 4366-4371.

Bagherieh, Omid — Univ. of California, Berkeley
Nagamune, Ryozo — Univ. of British Columbia

14:50-15:10 FrB01.5

Two-Step System Identification for Control of Small UAVs Along Pre-Specified Trajectories, pp. 4416-4421.

Grymin, David — Air Force Res. Lab.
Farhood, Mazen — Virginia Tech.

14:30-14:50 FrB02.4

Nonlinear Model Predictive Control of Floating Wind Turbines with Individual Pitch Control (I), pp. 4446-4451.

Raach, Steffen — Univ. of Stuttgart
Schlipf, David — Stuttgart Wind Energy, Univ. of Stuttgart
Sandner, Frank — Univ. of Stuttgart, SWE
Matha, Denis — Univ. of Stuttgart
Cheng, Po Wen — Stuttgart Wind Energy, Univ. of Stuttgart

14:50-15:10 FrB03.5

Robustness Analysis of Linear Parameter Varying Systems Using Integral Quadratic Constraints (I), pp. 4488-4493.

Pfifer, Harald — Univ. of Minnesota
Seiler, Peter — Univ. of Minnesota

15:10-15:30 FrB04.6

On a Recurrence Principle for a Class of Stochastic Hybrid Systems, pp. 4530-4535.

Teel, Andrew R. — Univ. of California at Santa Barbara

14:30-14:50 FrB05.4

A Feedback Linearization Controller for Trajectory Tracking of the Furuta Pendulum, pp. 4555-4560.

Aguilar-Avelar, Carlos — CITEDI-IPN
Moreno-Valenzuela, Javier — CITEDI-IPN

14:10-14:30 FrB06.3

Robust Data Map Design Using Chance Constrained Optimization, pp. 4585-4592.

Laftchiev, Emil — The Pennsylvania State Univ.
Lagoa, Constantino M. — Pennsylvania State Univ.
Brennan, Sean — The Pennsylvania State Univ.

14:50-15:10 FrB07.5

Stability Analysis of Connected Cruise Control with Stochastic Delays (I), pp. 4636-4641.

Qin, Wubing B. — Univ. of Michigan
Gomez, Marcella M. — California Inst. of Tech.
Orosz, Gabor — Univ. of Michigan

13:50-14:10 FrB09.2

Affinity-Based Distributed Algorithm for 3D Reconstruction in Large Scale Visual Sensor Networks, pp. 4683-4688.

Masiero, Andrea — Univ. di Padova
Cenedese, Angelo — Univ. of Padova

13:30-13:50 FrB10.1

Observability Based Control in Range-Only Underwater Vehicle Localization, pp. 4714-4719.

Quenzer, Jake — Univ. of Washington
Morgansen, Kristi A. — Univ. of Washington

15:10-15:30 FrB11.6

Modeling, Identification and Feedforward Control of Multivariable Hysteresis by Combining Bouc-Wen Equations and the Inverse Multiplicative Structure (I), pp. 4783-4789.

Habineza, Didace	FEMTO-ST Inst.
Rakotondrabe, Micky	FEMTO-ST Inst.
Le Gorrec, Yann	ENSMM, FEMTO-ST / AS2M

13:50-14:10	FrB12.2

Task-Relevant Adaptation of Musculoskeletal Impedance During Posture and Movement (I), pp. 4796-4801.

Ludvig, Daniel	Rehabilitation Inst. of Chicago
Perreault, Eric	Northwestern Univ.

13:30-13:50	FrB13.1

A Dynamic State Observer for Real-Time Reconstruction of the Tokamak Plasma Profile State and Disturbances, pp. 4828-4835.

Felici, Federico	Eindhoven Univ. of Tech.
De Baar, Marco	FOM
Steinbuch, Maarten	Eindhoven Univ. of Tech.

13:30-13:50	FrB14.1

Stabilization of Time-Varying Nonlinear Systems with Time Delays Using a Trajectory Based Approach, pp. 4866-4870.

Mazenc, Frederic	EPI INRIA DISCO
Malisoff, Michael	Louisiana State Univ.

14:50-15:10	FrB15.5

Robust Nonlinear Predictive Control for Autonomous Ground Vehicles, pp. 4925-4930.

Gao, Yiqi	Univ. of California, Berkeley
Gray, Andrew	Univ. of California, Berkeley
Carvalho, Ashwin	Univ. of California, Berkeley
Tseng, Eric	Ford Motor Company
Borrelli, Francesco	Unversity of California at Berkeley

14:30-14:50	FrB16.4

On the Distance to Optimality of the Geometric Approximate Minimum-Energy Attitude Filter (I), pp. 4955-4960.

Zamani, Mohammad	The Univ. of New South Wales ADFA
Trumpf, Jochen	Australian National Univ.
Mahony, Robert	Australian National Univ.

14:10-14:30	FrB17.3

Robust Stability Analysis of Discrete-Time Linear Systems Characterized by Stochastic Polytopes, pp. 4985-4990.

Hosoe, Yohei	Kyoto Univ.
Hagiwara, Tomomichi	Kyoto Univ.

14:10-14:30	FrB18.3

Periodic and Event-Triggered Communication for Distributed Continuous-Time Convex Optimization, pp. 5022-5027.

Kia, Solmaz	Univ. of California at San Diego (UCSD)
Cortes, Jorge	Univ. of California, San Diego
Martinez, Sonia	Univ. of California at San Diego

13:50-14:10	FrB19.2

Operation of Residential Hybrid Renewable Energy Systems: Integrating Forecasting, Optimization and Demand Response, pp. 5055-5060.

Wang, Xiaonan	Univ. of California, Davis
Palazoglu, Ahmet N.	Univ. of California at Davis
El-Farra, Nael H.	Univ. of California, Davis

16:20-16:40 FrC01.2

Unscented Statistical Linearization and Robustified Kalman Filter for Nonlinear Systems with Parameter Uncertainties, pp. 5091-5096.

Murata, Masaya — NTT Communication Science Lab. NTT Corp.
Nagano, Hidehisa — NTT Communication Science Lab. NTT Corp.
Kashino, Kunio — NTT Communication Science Lab. NTT Corp.

17:00-17:20 FrC02.4

Step Size Analysis in Discrete-Time Dynamic Average Consensus, pp. 5139-5144.

Montijano, Eduardo — Centro Univ. de la Defensa
Montijano, Juan Ignacio — Univ. of Zaragoza
Sagues, Carlos — Univ. de Zaragoza
Martinez, Sonia — Univ. of California at San Diego

16:40-17:00 FrC03.3

Control of Heterogeneous Groups of LPV Systems Interconnected through Directed and Switching Topologies, pp. 5168-5173.

Hoffmann, Christian — Hamburg Univ. of Tech.
Eichler, Annika — Hamburg Univ. of Tech. (TUHH)
Werner, Herbert — Hamburg Univ. of Tech.

16:20-16:40 FrC04.2

Adaptive Splitting Technique for Gaussian Mixture Models to Solve Kolmogorov Equation, pp. 5198-5203.

Vishwajeet, Kumar — Univ. at Buffalo
Singla, Puneet — Univ. at Buffalo

17:00-17:20 FrC05.4

A Robust Adaptive Controller for Surface-Mount Permanent Magnet Synchronous Machines, pp. 5248-5253.

Reed, David — Univ. of Michigan
Sun, Jing — Univ. of Michigan
Hofmann, Heath — Univ. of Michigan

16:40-17:00 FrC06.3

Finite-Time Distributed Averaging, pp. 5272-5275.

Mou, Shaoshuai — Yale Univ.
Morse, A. Stephen — Yale Univ.

17:40-18:00 FrC07.6

Sensor Fusion for Unmanned Aircraft System Navigation in an Urban Environment, pp. 5325-5330.

Rufa, Justin — Univ. of Michigan
Atkins, Ella — Univ. of Michigan

16:00-16:20 FrC08.1

Observer Design for Linear Multi-Rate Sampled-Data Systems, pp. 5331-5336.

Moarref, Miad — Concordia Univ.
Rodrigues, Luis — Concordia Univ.

17:40-18:00 FrC09.6

Fast Convergence for Time-Varying Semi-Anonymous Potential Games, pp. 5396-5401.

Borowski, Holly — Univ. of Colorado Boulder
Marden, Jason — Univ. of Colorado at Boulder

16:40-17:00 FrC10.3

Statistical Mechanics-Inspired Framework for Studying the Effects of Mixed Traffic Flows on Highway Congestion, pp. 5414-5419.

Jerath, Kshitij — The Pennsylvania State Univ.
Ray, Asok — Pennsylvania State Univ.
Brennan, Sean — The Pennsylvania State Univ.

Gayah, Vikash — Pennsylvania State Univ.

17:20-17:40 FrC11.5

A Distributed PID Controller for Network Congestion Control Problems, pp. 5465-5470.

Zhang, Xuan — Univ. of Oxford

Papachristodoulou, Antonis — Univ. of Oxford

17:40-18:00 FrC12.6

Nonlinear Dynamics in Closed-Loop Anesthesia: Pharmacokinetic/Pharmacodynamic Model under PID-Feedback, pp. 5508-5513.

Zhusubaliyev, Zhanybai — South West State Univ. (Kursk State Tech. Univ.

Medvedev, Alexander V. — Uppsala Univ.

Silva, Margarida M. — Uppsala Univ.

16:20-16:40 FrC13.2

Detection & Estimation Algorithms for In-Pipe Leak Detection, pp. 5520-5526.

Chatzigeorgiou, Dimitris — MIT

Youcef-Toumi, Kamal — Massachusetts Inst. of Tech.

Ben-Mansour, Rached — King Fahd Univ. of Petroleum & Minerals

17:40-18:00 FrC14.6

Time-Delayed Vision-Based DC Motor Control Via Rightmost Eigenvalue Assignment, pp. 5576-5581.

Yi, Sun — North Carolina A&T State Univ.

Ulsoy, A. Galip — Univ. of Michigan

17:20-17:40 FrC15.5

Stabilization of Nonlinear Sampled-Data Systems and Economic Model Predictive Control Application, pp. 5606-5613.

Ellis, Matthew — Univ. of California, Los Angeles

Karafyllis, Iasson — National Tech. Univ. of Athens

Christofides, Panagiotis D. — Univ. of California at Los Angeles

17:40-18:00 FrC16.6

A Minmax Extremum-Seeking Control Design Technique, pp. 5651-5656.

Guay, Martin — Queen's Univ.

Dochain, Denis — Univ. Catholique de Louvain

16:00-16:20 FrC17.1

Performance Optimization Over Positive L_infty Cones, pp. 5657-5662.

Naghnaeian, Mohammad — Univ. of Illinois Urbana-Champaign

Voulgaris, Petros G. — Univ. of Illinois, Urbana-Champaign

16:40-17:00 FrC18.3

Nonlinear Measurement Update for Estimation of Angular Systems Based on Circular Distributions, pp. 5706-5711.

Kurz, Gerhard — Karlsruhe Inst. of Tech. (KIT)

Gilitschenski, Igor — Karlsruhe Inst. of Tech. (KIT)

Hanebeck, Uwe D. — Karlsruhe Inst. of Tech. (KIT)

17:20-17:40 FrC19.5

Computing Optimal Control Laws for Finite Stochastic Systems with Non-Classical Information Patterns, pp. 5754-5759.

Uribe, César A. — Univ. of Illinois at Urbana-Champaign

Keviczky, Tamas — Delft Univ. of Tech.

van Schuppen, Jan H. — Van Schuppen Control Res.