

IEEE/CAA JOURNAL OF AUTOMATICA SINICA

A PUBLICATION OF THE IEEE AND CHINESE ASSOCIATION OF AUTOMATION

JULY 2020

VOLUME 7

NUMBER 4

IJASJC

(ISSN:2329-9266)

PAPERS

- Parallel Control for Continuous-Time Linear Systems: A Case Study ····· *Q. L. Wei, H. Y. Li, and F.-Y. Wang* (919)
- Stability of Nonlinear Differential-Algebraic Systems Via Additive Identity ·····
····· *P. Di Franco, G. Scarciootti, and A. Astolfi* (929)
- An Iterative Pose Estimation Algorithm Based on Epipolar Geometry With Application to Multi-Target Tracking ···
····· *J. H. White and R. W. Beard* (942)
- Data-based Fault Tolerant Control for Affine Nonlinear Systems Through Particle Swarm Optimized Neural Networks
····· *H. W. Lin, B. Zhao, D. R. Liu, and C. Alippi* (954)
- A Spatial-Temporal Attention Model for Human Trajectory Prediction ·····
····· *X. D. Zhao, Y. R. Chen, J. Guo, and D. B. Zhao* (965)
- Approximate Dynamic Programming for Stochastic Resource Allocation Problem ·····
····· *A. Forootani, R. Iervolino, M. Tipaldi, and J. Neilson* (975)
- Concrete Defects Inspection and 3D Mapping Using CityFlyer Quadrotor Robot ·····
····· *L. Yang, B. Li, W. Li, H. Brand, B. Jiang, and J. Xiao* (991)
- Evaluating Group Formation in Virtual Communities ·····
····· *G. Fortino, A. Liotta, F. Messina, D. Rosaci, and G. M. L. Sarnè* (1003)
- A Study on Hovering Control of Small Aerial Robot by Sensing Existing Floor Features ·····
····· *C. Premachandra, D. N. H. Thanh, T. Kimura, and H. Kawanaka* (1016)
- AI-Based Modeling and Data-Driven Evaluation for Smart Manufacturing Processes ·····
····· *M. Ghahramani, Y. Qiao, M. C. Zhou, A. O'Hagan, and J. Sweeney* (1026)
- Convolutional Multi-Head Self-Attention on Memory for Aspect Sentiment Classification ·····
····· *Y. J. Zhang, B. Xu, and T. J. Zhao* (1038)
- Simulation and Field Testing of Multiple Vehicles Collision Avoidance Algorithms ·····
····· *C. Y. Zu, C. Yang, J. Wang, W. B. Gao, D. P. Cao, and F.-Y. Wang* (1045)
- Aperiodic Sampled-Data Control of Distributed Networked Control Systems Under Stochastic Cyber-Attacks ·····
····· *K. Bansal and P. Mukhija* (1064)
-

IEEE/CAA JOURNAL OF AUTOMATICA SINICA

A PUBLICATION OF THE IEEE AND CHINESE ASSOCIATION OF AUTOMATION

JULY 2020

VOLUME 7

NUMBER 4

IJASJC

(ISSN:2329-9266)

PAPERS

- Parallel Control for Continuous-Time Linear Systems: A Case Study ····· *Q. L. Wei, H. Y. Li, and F.-Y. Wang* (919)
- Stability of Nonlinear Differential-Algebraic Systems Via Additive Identity ·····
····· *P. Di Franco, G. Scarciootti, and A. Astolfi* (929)
- An Iterative Pose Estimation Algorithm Based on Epipolar Geometry With Application to Multi-Target Tracking ···
····· *J. H. White and R. W. Beard* (942)
- Data-based Fault Tolerant Control for Affine Nonlinear Systems Through Particle Swarm Optimized Neural Networks
····· *H. W. Lin, B. Zhao, D. R. Liu, and C. Alippi* (954)
- A Spatial-Temporal Attention Model for Human Trajectory Prediction ·····
····· *X. D. Zhao, Y. R. Chen, J. Guo, and D. B. Zhao* (965)
- Approximate Dynamic Programming for Stochastic Resource Allocation Problem ·····
····· *A. Forootani, R. Iervolino, M. Tipaldi, and J. Neilson* (975)
- Concrete Defects Inspection and 3D Mapping Using CityFlyer Quadrotor Robot ·····
····· *L. Yang, B. Li, W. Li, H. Brand, B. Jiang, and J. Xiao* (991)
- Evaluating Group Formation in Virtual Communities ·····
····· *G. Fortino, A. Liotta, F. Messina, D. Rosaci, and G. M. L. Sarnè* (1003)
- A Study on Hovering Control of Small Aerial Robot by Sensing Existing Floor Features ·····
····· *C. Premachandra, D. N. H. Thanh, T. Kimura, and H. Kawanaka* (1016)
- AI-Based Modeling and Data-Driven Evaluation for Smart Manufacturing Processes ·····
····· *M. Ghahramani, Y. Qiao, M. C. Zhou, A. O'Hagan, and J. Sweeney* (1026)
- Convolutional Multi-Head Self-Attention on Memory for Aspect Sentiment Classification ·····
····· *Y. J. Zhang, B. Xu, and T. J. Zhao* (1038)
- Simulation and Field Testing of Multiple Vehicles Collision Avoidance Algorithms ·····
····· *C. Y. Zu, C. Yang, J. Wang, W. B. Gao, D. P. Cao, and F.-Y. Wang* (1045)
- Aperiodic Sampled-Data Control of Distributed Networked Control Systems Under Stochastic Cyber-Attacks ·····
····· *K. Bansal and P. Mukhija* (1064)
-



Distributed Adaptive Fault-Tolerant Output Regulation of Heterogeneous Multi-Agent Systems With Coupling Uncertainties and Actuator Faults.....	<i>C. Deng, W. N. Gao, and W. W. Che</i> (1098)
Study on the Driving Style Adaptive Vehicle Longitudinal Control Strategy	<i>J. Huang, Y. M. Chen, X. Y. Peng, L. Hu, and D. P. Cao</i> (1107)
LESO-based Position Synchronization Control for Networked Multi-Axis Servo Systems With Time-Varying Delay..	<i>Q. Wu, L. Yu, Y. W. Wang, and W. A. Zhang</i> (1116)
3D Shape Reconstruction of Lumbar Vertebra From Two X-ray Images and a CT Model.....	<i>L. W. Fang, Z. W. Wang, Z. Q. Chen, F. Z. Jian, S. Li, and H. G. He</i> (1124)
Solving Multitrip Pickup and Delivery Problem With Time Windows and Manpower Planning Using Multiobjective Algorithms	<i>J. H. Wang, Y. Y. Sun, Z. Z. Zhang, and S. C. Gao</i> (1134)
C-Vine Pair Copula Based Wind Power Correlation Modelling in Probabilistic Small Signal Stability Analysis.....	<i>J. Xu, W. Wu, K. Y. Wang, and G. J. Li</i> (1154)
Distribution of Miss Distance for Pursuit-Evasion Problem	<i>S. W. Xiang, H. Q. Fan, and Q. Fu</i> (1161)
Parallel Distance: A New Paradigm of Measurement for Parallel Driving.....	<i>T. Liu, H. Wang, B. Tian, Y. F. Ai, and L. Chen</i> (1169)
Path Planning for Intelligent Robots Based on Deep Q-learning With Experience Replay and Heuristic Knowledge..	<i>L. Jiang, H. Y. Huang, and Z. H. Ding</i> (1179)
Avoiding Non-Manhattan Obstacles Based on Projection of Spatial Corners in Indoor Environment.....	<i>L. P. Wang and H. Wei</i> (1190)
