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2018 INTERNATIONAL CONFERENCE ON UNMANNED AIRCRAFT SYSTEMS

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2	211	Enhancing Model-Free Wind Estimation for Fixed-Wing UAV	Georg Robert Balmer, Tin Muskardin, Sven Wlach, Konstantin Kondak
3	226	Improvement in the UAV Position Estimation with Low-cost GPS and Vision-based System: Application to a Quadrotor UAV	Luis Francisco Arreola Corzo, Andres Montes de Oca Rebolledo, Alejandro Flores, Jose Alberto Sanchez Santis, Gerardo Flores
4	128	Enhanced UAV Pose Estimation Using a KF: Experimental Validation	Cristino Souza Junior, Pedro Castillo, Rogelio Lozano, Boris Vidolov
5	177	Real-time Hierarchical Bayesian Data Fusion for Vision-based Target Tracking with Unmanned Aerial Platforms	Andres Echeverri Guevara, Yevgeniy Reznichenko, Henry Medeiros, Richard Povinelli, Ryan Walsh

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#	No.	Title	Authors
1	165	Deployment and Flight Operations of a Large Scale UAS Combat Swarm: Results from DARPA Service Academies Swarm Challenge	Jeremy Dawkins, Frederick Crabbe, Dennis Evangelista
2	187	Range and Endurance Characterization of a Quadcopter subject to Steady Wind	Ameya Godbole, Kamesh Subbarao, Atilla Dogan, Brian Huff
3	235	Preliminary Research on Remote Planning Methods for Paths of Unmanned Aerial Vehicles in the Safe Corridor	Zhibin Li, Xiaojun Zhang, Ying Lu, Yanxiang Cui
4	30	UTM Concept Demonstrations in Fukushima; Requirements for UAS-Port operation with different UAS Operators	Hiroko Nakamura, Kenya Harada, Yutaka Oura, Yuki Horie
5	191	Force Control in Cooperative Aerial Manipulation	Sandesh Thapa, He Bai, Jose Angel Acosta

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1	13	On Precisely Determining Self-Cast Shadow Regions in Aerial Camera Images	Alexander Gatter, Franz Andert
2	196	A Framework for Vision-Based Multiple Target Finding and Action Using Multirotor UAVs	Ajmal Hinas, Roshan Ragel, Jonathan Roberts, Luis Felipe Gonzalez
3	198	A Kinect-based Natural Interface for Formation Flight of Quadrotors	Erik Gilberto Rojo Rodriguez, Edmundo Javier Ollervides Vazquez, Patricia Zambrano-Robledo, Romeo J. Rodriguez-Cazares, Octavio Garcia Salazar, Rogelio Lozano
4	73	Real-time Implementation of YOLO+JPDA for Small Scale UAV Multiple Object Tracking	Shuoyuan Xu, Al Savvaris, Shaoming He, Hyo-Sang Shin, Antonios Tsourdos
5	66	Towards Trajectory Planning from a Given Path for Multirotor Aerial Robots Trajectory Tracking	Sanchez-Lopez, Jose Luis, Olivares-Mendez, Miguel A., Castillo-Lopez, Manuel, Voos, Holger
6	16	Integrated Navigation Based on DME+VOR/INS Under the Integrated Radio Condition	Haifeng Zhu

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1	180	Cascaded Model-Free Control for Trajectory Tracking of Quadrotors	Maria Bekcheva, Cédric Join, Hugues Mounier
2	37	A Generalized Algorithm for Tuning UAS Flight Controllers	Holly Wright, Reuben Strydom, Mandyam V. Srinivasan
3	136	A Geometric Control Strategy for Real-time Coordination of Multiple Unmanned Aircraft Systems	Gabriel Alexis Guijarro Reyes, Luis Rodolfo Garcia Carrillo, Pablo Rangel
4	197	Validation and Verification of GNC for Large Fixed-Wing Unmanned Aerial System in Unstructured and Noisy Environment	A Ram Kim, Daksh Shukla, Aaron Blevins, Shawn Keshmiri
5	142	Model Based Roll Controller Tuning and Analysis for Small UAS in Turbulent Environments	Harold Flanagan, Steven G. Hagerott, Haiyang Chao
6	3	Modeling and Control of a Quadcopter Flying in a Wind Field: A Comparison Between LQR and Structured H-inf Control Techniques	Catherine Massé, Olivier Gougeon, Duc-Tien Nguyen, David Saussie