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| Amplitude Information-Aided Extended Target Tracking Using the PHD Filter  Yuhuan Xiong (University of Electronic Science and Technology of China, China), Jaye Yang (University of Electronic Science and Technology of China, China), Boxiang Zhang (UESTC, China), Xi Cao (University of Electronic Science and Technology of China, China), Boxiang Zhang (UESTC, China), Xi Cao (University of Electronic Science and Technology of China, China), Wei Yi (University of Electronic Science and Technology of China, China), Boxiang Zhou (Harbin Institute of Technology, China)  3D Target Tracking with Online Revisit Interval Calculation for Rotating Radar  Bingum Liang (Harbin Institute of Technology, China), Gongjian Zhou (Harbin Institute of Technology, China)  MP-IPDA* for Target Motion Analysis  Hoseok Sul (Hanyang University, Korea (South)), Taek Lyul Song (Hanyang University, Korea (South)), Jee Woong Choi (Hanyang, Korea (South))  A Coherent Detection and Estimation Method for Weak Target with High Speed  Bowen Chu (Harbin Institude of Technology, China), Gongjian Zhou (Harbin Institute of Technology, China)  Property Estimation in Geotechnical Databases Using Labeled Random Finite Sets  Changbeom Shim (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia)  Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing  Cong Wang (University of Electronic Science and Technology of China, China), Guoxin Zhang (University of Electronic Science and Technology, Of China, China), Yunfei (University of Electronic Science and Technology of China, China), Yunfei (University of Electronic Science and Technology of China, China)  Synthetic Data Generation of Car Driver's Head and Hands Motions Based on Human Tracking and Virtual Reality Technology  Norikazu Ikoma (Nippon Institute of Technology, Japan)  Acceleration Handling in a Time-Varying Kalman Attitude Estimator  Fernando Lopez Peña (University of A Coruña, Spain), Alvaro Deibe Díaz (Univ |      |  |
| Yuhuan Xiong (University of Electronic Science and Technology of China, China), Jiaye Yang (University of Electronic Science and Technology of China, Boxiang Zhang (UESTC, China), Xi Cao (University of Electronic Science and Technology of China, China), Boxiang Zhang (UESTC, China), Xii Cao (University of Electronic Science and Technology of China, China), Boxiang Zhang (UESTC, China), Xii Cao (University of Electronic Science and Technology of China, China), Boxiang Zhou (Harbin Institute of Technology, China), Gongjian Zhou (Harbin Institute of Technology, China)  **MP-IPDA** for Target Motion Analysis**  Hoseok Sul (Hanyang University, Korea (South)), Taek Lyul Song (Hanyang University, Korea (South)), Jee Woong Choi (Hanyang, Korea (South))  **A Coherent Detection and Estimation Method for Weak Target with High Speed**  Bowen Chu (Harbin Institude of Technology, China), Gongjian Zhou (Harbin Institute of Technology, China)  **Property Estimation in Geotechnical Databases Using Labeled Random Finite Sets**  Changbeom Shim (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia)  Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing  Cong Wang (University of Electronic Science and Technology of China, China), Wei Yi (University of Electronic Science and Technology of China, China), Wei Yi (University of Electronic Science and Technology of China, China), Yue Gao (University of Electronic Science and Technology Norikazu Ikoma (Nippon Institute of Technology, Japan)  **Acceleration Handling in a Time-Varying Kalman Attitude Estimator**  Fernando Lopez Peña (University of A Coruña, Spain), Alvaro Deibe Diaz (Universidade da Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Coruña, Coruña, Coruña, Coruña, Coruña,  |      |  |
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| EO3 (Signal Processing and Applications III)  Property Estimation in Geotechnical Databases Using Labeled Random Finite Sets Changbeom Shim (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia) Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing Cong Wang (University of Electronic Science and Technology of China, China), Guoxin Zhang (University of Electronic Science and Technology of China, China), Yue Gao (University of Electronic Science and Technology of China, China) Synthetic Data Generation of Car Driver's Head and Hands Motions Based on Human Tracking and Virtual Reality Technology Norikazu Ikoma (Nippon Institute of Technology, Japan) Acceleration Handling in a Time-Varying Kalman Attitude Estimator Fernando Lopez Peña (University of A Coruña, Spain), Alvaro Deibe Díaz (Universidade da Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña,   |      |  |
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|  |      | Changbeom Shim (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia)  Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing  |
|  | ΞΜ ( | Changbeom Shirn (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia)  Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing  Cong Wang (University of Electronic Science and Technology of China, China), Guoxin Zhang (University of Electronic Science and Technology, China), Liang Yunfei (University of Electronic Science and Technology of China, China), Yue Gao (University of Electronic Science and Technology of China, China)  Synthetic Data Generation of Car Driver's Head and Hands Motions Based on Human Tracking and Virtual Reality Technology  Norikazu Ikoma (Nippon Institute of Technology, Japan)  Acceleration Handling in a Time-Varying Kalman Attitude Estimator  Fernando Lopez Peña (University of A Coruña, Spain), Alvaro Deibe Díaz (Universidade da Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Spain), Jesús Cardenal (Universidade da Coruña, Spain)  Nonlinear Systems and Control  Comparing Control Design Methods for Hybrid Configuration Underwater Vehicles  Xan Macatangay (RMIT University, Australia), Reza Hoseinnezhad (RMIT University, Australia), Alireza Bab-Hadiashar (RMIT University, Australia)  On the Design and Performance of Delta Robot Platform with Compliant Revolute Joint  Dinh Son Vu (RMIT University Vietnam, Vietnam), Minh-Tai Vo (Posts and Telecommunications Institute of Technology, Vietnam), An Quoc Nguyen Le (RMIT   |
| Experimental Demonstration of Remote Synchronization in Coupled Nonlinear Oscillator   | ΞΜ ( | Changbeom Shim (Curtin University, Australia), Youngho Kim (CMW Geosciences, Australia), Craig Butterworth (CMW Geosciences, Australia)  Joint Detection and Localization in DFRC Systems with Communication-Assisted Sensing  Cong Wang (University of Electronic Science and Technology of China, China), Guoxin Zhang (University of Electronic Science and Technology of China, China), Yue Gao (University of Electronic Science and Technology of China, China), Yue Gao (University of Electronic Science and Technology of China, China), Wei Yi (University of Electronic Science and Technology of China, China)  Synthetic Data Generation of Car Driver's Head and Hands Motions Based on Human Tracking and Virtual Reality Technology  Norikazu Ikoma (Nippon Institute of Technology, Japan)  Acceleration Handling in a Time-Varying Kalman Attitude Estimator  Fernando Lopez Peña (University of A Coruña, Spain), Alvaro Deibe Díaz (Universidade da Coruña, Spain), Jose A Antón Nacimiento (Universidade da Coruña, Spain), Jesús Cardenal (Universidade da Coruña, Spain)  Nonlinear Systems and Control  Comparing Control Design Methods for Hybrid Configuration Underwater Vehicles  Xan Macatangay (RMIT University, Australia), Reza Hoseinnezhad (RMIT University, Australia), Alireza Bab-Hadiashar (RMIT University, Australia)  On the Design and Performance of Delta Robot Platform with Compliant Revolute Joint  Dinh Son Vu (RMIT University Vietnam, Vietnam), Minh-Tai Vo (Posts and Telecommunications Institute of Technology, Vietnam), An Quoc Nguyen Le (RMIT University Vietnam, Vietnam), Khanh Huu Nguyen (RMIT University Vietnam, Vietnam), Tuan Quang Tran (RMIT University Vietnam, Vietnam)  |
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