

Extended fractional singular Kalman filter

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Optimization-based power management for battery/supercapacitor hybrid energy storage system with load estimation capability in a DC microgrid

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Predictive acoustic localization and speaker tracking for distributed sensor networks

Astapov, Sergei; Berdnikova, Julia; Preden, Jürjo-Sören 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 833-838 : ill

Simulating a cyber-attack on an autonomous sea surface vessel's rudder controller

Astrov, Igor; Bauk, Sanja 2024 13th Mediterranean Conference on Embedded Computing (MECO), 11-14 June 2024, Budva, Montenegro 2024 / 7 p. : ill <https://doi.org/10.1109/MECO62516.2024.10577872> [Article at Scopus](#) [Article at WOS](#)

Simulating a cyber-attack on the mass thruster controllers at low-speed motion

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Smart elbow brace with electromyography sensors

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Using a fuzzy regulator to reduce noise

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