

Adaptive Extended Kalman Filter position estimation based on Ultra-Wideband Active-Passive Ranging Protocol
Laadung, Taavi; Ulp, Sander; Fjodorov, Aleksei; Alam, Muhammad Mahtab; Le Moullec, Yannick IEEE Access 2023 / p. 92575-92588 <https://doi.org/10.1109/ACCESS.2023.3308696> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adaptive Kalman filter based data aggregation in fault-resilient Underwater Sensor Networks
Vihman, Lauri; Raik, Jaan 2023 24th International Conference on Digital Signal Processing (DSP) 2023 / p. 1-5
<https://doi.org/10.1109/DSP58604.2023.10167982>

Event-triggered resilient distributed extended Kalman filter with consensus on estimation
Rezaei, Hossein; Ghorbani, Majid International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315
<https://doi.org/10.1002/rnc.5881> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Extended fractional singular Kalman filter
Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard Applied mathematics and computation 2023 / art. 127950, 15 p. : ill <https://doi.org/10.1016/j.amc.2023.127950> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Fast kalman filter for data processing in distributed mechatronic systems
Luik, Argo; Kulmar, Lembit; Rannat, Kalev; Reedik, Vello Mechatronics 2000 : proceedings of the 7th Mechatronics Forum International Conference : 6-8 September 2000, Atlanta, Georgia, USA 2000 / [6] p. [CD-ROM]

Image encryption using fractional singular chaotic systems : an extended Kalman filtering approach
Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard 2022 International Conference on Electrical, Computer and Energy Technologies (ICECET) 2022 / 6 p. : ill <https://doi.org/10.1109/ICECET55527.2022.9873484>

The Kalman filter for numerical processing of radar data
Kangilaski, Taivo BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 123-126: ill

Kalman-filter based maximum power point tracking for a single-stage grid-connected photovoltaic system
Farrokhi, Ehsan; Ghoreishy, Hoda; Ahmadihangar, Roya; Rosin, Argo IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / Code 173927 <https://doi.org/10.1109/IECON48115.2021.9589653> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Modelling the time-varying risk premium by using the Kalman filter : the Euro money market case
Filipozzi, Fabio FindEcon Monograph Series : Advanced in Financial Market Analysis 2011 / p. 127-140 : ill
https://econpapers.repec.org/bookchap/annfindec/book_3ay_3a2011_3an_3a09_3ach_3a08_3amon.htm

On integrability of observable space for discrete-time analytic systems
Kawano, Yu; Kotta, Ülle 2015 54th IEEE Conference on Decision and Control (CDC) : date: 15-18 Dec. 2015 2015 / p. 7137 - 7142
<https://doi.org/10.1109/CDC.2015.7403345> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On the Kalman smoother interpolation error distribution in collocation comparison of atmospheric profiles
Fassò, Alessandro; Keernik, Hannes; Rannat, Kalev Axioms 2023 / 16 p. <https://doi.org/10.3390/axioms12100902>

Optimal robust filter of uncertain fractional order systems : a penalized deterministic approach
Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard IEEE Control Systems Letters 2023 / p. 1075 - 1080
<https://doi.org/10.1109/LCSYS.2022.3230773> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimization-based power management for battery/supercapacitor hybrid energy storage system with load estimation capability in a DC microgrid
Farrokhi, Ehsan; Ghoreishy, Hoda; Ahmadihangar, Roya International journal of electrical power and energy systems 2024 / art. 109665, 10 p. : ill <https://doi.org/10.1016/j.ijepes.2023.109665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Real-time multi-modal active vision for object detection on UAVs equipped with limited field of view LiDAR and camera
Shi, Chuanbeibei; Lai, Ganghua; Yu, Yushu; Bellone, Mauro; Lippiello, Vincezo IEEE Robotics and Automation Letters 2023 / p. 6571 - 6578 <https://doi.org/10.1109/LRA.2023.3309575> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust fractional order singular Kalman filter
Nosrati, Komeil; Belikov, Juri; Tepljakov, Aleksei; Petlenkov, Eduard International journal of robust and nonlinear control 2024 / p. 602-627 : ill <https://doi.org/10.1002/rnc.6990> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 2024 2024 / 1 p.

<https://journals.scholarsportal.info/browse/26379511>

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

Astrov, Igor; Bauk, Sanja Promet - Traffic and Transportation 2024 / p. 1006 - 1021 <https://doi.org/10.7307/ptt.v36i6.797> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State of charge estimation for Li-ion batteries based on equivalent circuit diagrams and the application of a Kalman filter

Rahmoun, Ahmad; Biechl, Helmut; **Rosin, Argo** 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 125-128 : ill

Using a fuzzy regulator to reduce noise

Shumski, Andrei; **Rassõlkin, Anton**; Autso, Siarhei; Karpovich, Dzmitry; **Kallaste, Ants**; **Vaimann, Toomas** 2019 Electric Power Quality and Supply Reliability Conference (PQ) & 2019 Symposium on Electrical Engineering and Mechatronics (SEEM), Kärđla, Estonia, June 12-15, 2019 : proceedings 2019 / 4 p. : ill <https://doi.org/10.1109/PQ.2019.8818257>

Пакет программ оценки состояния и идентификации непрерывных технологических процессов калман : методическое пособие

1988 https://www.ester.ee/record=b1220385*est