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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHA-9037-2022

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2022 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2019 - 2021

Undergraduate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2013 - 2018

Dissertations

Postgraduate, Eş zamanlı konum belirleme ve haritalama probleminde iyileştirilmiş çözüm için GKF, AGKF ve FastSLAM uygulamaları, Gazi University, Fen Bilimleri Enstitüsü, 2021

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Optics and Photonics, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Gazi University, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2020 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. **An improved adaptive FastSLAM algorithm with time-varying noise estimator**

Karaçam S., Navruz T. S.

ASIAN JOURNAL OF CONTROL, vol.26, no.4, pp.2617-2627, 2023 (SCI-Expanded)

Books & Book Chapters

1. **An Adaptive EKF Algorithm with Adaptation of Noise Statistic Based on MLE, EM and ICE**

Karaçam S., Yalçın K., Navruz T. S.

in: Smart Applications with Advanced Machine Learning and Human-Centred Problem Design, Fatos Xhafa, Editor, Springer Nature, Zürich, pp.185-198, 2023

II. Improved Performance of Adaptive UKF SLAM with Scaling Parameter

Yalçın K., Karaçam S., Navruz T. S.

in: Smart Applications with Advanced Machine Learning and Human-Centred Problem Design , Fatos Xhafa, Editor, Springer Nature, Zürich, pp.175-183, 2023

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Resampling Methods to Performance of FastSLAM Under Different Noise Conditions

Karaçam S., Navruz T. S.

IEEE Signal Processing and Communications Applications (SIU), Karabük, Turkey, 15 May - 18 September 2022, pp.1-4

II. An Adaptive EKF Algorithm with Adaptation of Noise Statistic Based on Mle, Em and Ice

Karaçam S., Yalçın K., Navruz T. S.

International Conference on Artificial Intelligence and Applied Mathematics in Engineering 2021, Antalya, Turkey, 1 - 04 October 2021, pp.45

III. Improved Performance of Adaptive Ukf Slam with Scaling Parameter

Yalçın K., Karaçam S., Navruz T. S.

3rd International Conference on Artificial Intelligence and Applied Mathematics in Engineering, Antalya, Turkey, 01 October 2021, pp.44

Metrics

Publication: 6