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Education Information

Doctorate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2020 - 2024
Postgraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2018 - 2020
Undergraduate, Azerbaycan Teknik Üniversitesi, Elektronik ve telekomünikasyon mühendisliği, Elektronik ve telekomünikasyon mühendisliği, Azerbaijan 2014 - 2018

Dissertations

Doctorate, Bulanık-kaotik hibrit güvenli iletişim sistemi modellenmesi tasarımı ve kontrolü / Fuzzy-chaotic hybrid secure communication system modeling design and control, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2024
Postgraduate, Elektronik devre analizine bulanık mantık tabanlı yaklaşım / Fuzzy logic-based approach to electronic circuit analysis, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2020

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Nanotechnology, Renewable energy, Flight Control Systems, Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Synchronization of fuzzy-chaotic systems with Z-controller in secure communication**
Babanli K., ORTAÇ KABAOĞLU R.
Information Sciences, vol.657, 2024 (SCI-Expanded)

II. **Fuzzy modeling of desired chaotic behavior in secure communication systems**
Babanli K., ORTAÇ KABAOĞLU R.
Information Sciences, vol.594, pp.217-232, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Design of Receiver in Fuzzy-Chaotic Communication Systems**
Babanli K.
15th International Conference on Application of Fuzzy Systems, Soft Computing and Artificial Intelligence Tools,
ICAFS 2022, Budva, Montenegro, 26 - 27 August 2022, vol.610 LNNS, pp.696-702

II. **Generation of Fuzzy-Chaotic Behavior in Secure Communication System**
Babanli K.
11th International Conference on Theory and Applications Soft Computing, Computing with Words and
Perceptions and Artificial Intelligence, ICSCCW 2021, Antalya, Turkey, 23 - 24 August 2021, vol.362 LNNS, pp.401-411

III. **Construction of Device for Fuzzy Chaos Signal Generation**
Babanli K.
14th International Conference on Applications of Fuzzy Systems, Soft Computing, and Artificial Intelligence Tools,
ICAFS 2020, Budva, Montenegro, 27 - 28 August 2020, vol.1306, pp.110-117

IV. **Fuzzy logic-based approach to electronic circuit analysis**
Babanli K., ORTAÇ KABAOĞLU R.
10th International Conference on Theory and Applications of Soft Computing, Computing with Words and
Perceptions, ICSCCW 2019, Prague, Czech Republic, 27 - 28 August 2019, vol.1095 AISC, pp.382-389

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Publication: 6
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