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Education Information

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Elektrik Mühendisliği Bölümü, Turkey 2007 - 2009

Dissertations

Postgraduate, Sürekli mıknatıslı senkron makinenin sensörsüz vektör kontrolü, Yıldız Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2009

Academic Titles / Tasks

Research Assistant, Marmara University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2011 - Continues

Research Assistant, Bahcesehir University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2007 - 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **DEVELOPMENT OF A DIGITAL DATATRANSMISSION PORTABLE BOREHOLETEMPERATURE LOGGING SYSTEM FORCLIMATOLOGICAL AND GEOTHERMAL STUDIES**
ERKAN K., DOĞRUEL M., AKKOYUNLU B. O. , BAYAT F. K. , ŞİŞMAN A., BALKAN E., TAYANÇ M.
The 9th International Symposium on Image Processing, Wavelet and Applications, 5 - 08 November 2017
- II. **Solving the Voltage Regulation Problem with Output Feedback**
Yilmaz M., El-Hawary M. E. , BAYAT F. K.
IEEE International Conference on Systems, Man, and Cybernetics (SMC), Banff, Canada, 5 - 08 October 2017, pp.2486-2491
- III. **Decentralized Voltage Control with Linear Parameter-Varying**
Yilmaz M., El-Hawary M. E. , BAYAT F. K.
7th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEEE IEMCON), Vancouver, Canada, 13 - 15 October 2016
- IV. **A New In Vitro Closed Loop Neural Interface with Optical Stimulation**
BAYAT F. K. , Halil Özcan G., GÜVENİŞ A., ÖZTÜRK G., GARİPCAN B.
Scindu 2015, 15 - 17 December 2015
- V. **Development of a Digital Output Temperature Probe for Precision Measurements**
ERKAN K., DOĞRUEL M., BAYAT F. K. , AKKOYUNLU B. O. , TAYANÇ M., BALKAN E., SAVAŞ H.
Geothermal Resources Council Annual Meeting, 20 - 23 September 2015
- VI. **A Novel STDP Model Capturing Differential Effects of Short and Long Term Plasticity**
BAYAT F. K. , Halil Özcan G., GÜVENİŞ A.

Bernstein Conference 2015, 15 - 17 September 2015

VII. Integration of Optogenetic Switches into Conductance based Neuron Models

BAYAT F. K. , Halil Özcan G., GÜVENİŞ A.

International Conference on Applied Analysis and Mathematical Modeling ICAAMM15, 8 - 12 June 2015

VIII. Spatio temporal Interactions Between Neuronal Assemblies

BAYAT F. K. , Halil Özcan G., GÜVENİŞ A.

Integrated Systems Neuroscience Workshop 2015, 23 - 24 March 2015

IX. Influence of Network Structure on Polychronous Group Dynamics

BAYAT F. K. , Gülçür H. Ö. , GÜVENİŞ A.

MURI WINTER SCHOOL 2015 Dynamics of Multifunction Brain Networks, 7 - 09 January 2015