VOLUME 258/1 (2017)

ISSN 0254-5330 Published November 2017

100

ANNALS of OPERATIONS RESEARCH

Editor-in-Chief: Endre Boros

OPERATIONS RESEARCH IN NEUROSCIENCE

Editors:

Erik Kropat, Ruben A. Tikidji-Hamburyan, and Gerhard-Wilhelm Weber



Annals of Operations Research

Volume 258 · Number 1 · November 2017



PREFACE

Operations research in neuroscience

E. Kropat · R.A. Tikidji-Hamburyan · G.-W. Weber 1

ORIGINAL PAPERS

A bi-objective network design approach for discovering functional modules linking Golgi apparatus fragmentation and neuronal death

E. Álvarez-Miranda · H. Farhan · M. Luipersbeck · M. Sinnl 5

Voxel-MARS: a method for early detection of Alzheimer's disease by classification of structural brain MRI

A. Çevik · G.-W. Weber · B.M. Eyüboğlu · K.K. Oğuz ·

The Alzheimer's Disease Neuroimaging Initiative 31

A semi-supervised inattention detection method using biological signal

Y. Choi · J. Park · D. Shin 59

Structure preserving integration and model order reduction of skew-gradient reaction-diffusion systems

B. Karasözen · T. Küçükseyhan · M. Uzunca 79

Totally model-free actor-critic recurrent neural-network reinforcement learning in non-Markovian domains

E. Mizutani · S. Dreyfus 107

A comparative stationarity analysis of EEG signals

V. Rasoulzadeh · E.C. Erkus · T.A. Yogurt · I. Ulusoy · S.A. Zergeroğlu 133

Anti-periodic solutions for state-dependent impulsive recurrent neural networks with time-varying and continuously distributed delays

M. Şaylı · E. Yılmaz 159

Further articles can be found at link.springer.com

Annals of Operations Research is indexed/abstracted in: Science Citation Index, Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, INSPEC, Zentralblatt Math, Google Scholar, EBSCO, CSA, ProQuest, ABS Academic Journal Quality Guide, Academic OneFile, Academic Search, Computer Abstracts International Database, Computer Science Index, CSA Environmental Sciences, Current Contents/Engineering, Computing and Technology, DBLP, ECONIS, Expanded Academic, International Abstracts in Operations Research, Mathematical Reviews, OCLC, SCImago, STMA-Z, Summon by ProQuest

Instructions for Authors for Annals of Operations Research can be found at http://www.springer.com/10479