2016 Cognitive Sciences, Genomics, and Bioinformatics (CSGB 2016)

Novosibirsk, Russia 29-30 August 2016



IEEE Catalog Number: ISBN:

CFP16H38-POD 978-1-5090-2943-3

Copyright © 2016 by the Institute of Electrical and Electronics Engineers, Inc All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

***This publication is a representation of what appears in the IEEE Digital Libraries. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP16H38-POD

 ISBN (Print-On-Demand):
 978-1-5090-2943-3

 ISBN (Online):
 978-1-5090-2942-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400 Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Table of Contents

| Adaptive experiential learning for business intelligence agents, <i>Anton Kolonin</i> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Studying human social environment and state with social network data, Anton Kolonin6 |
| The recovery of cognitive functions for patients with the organic amnestic syndrome by means of the non-invasive adaptive neuro-electrostimulation device, <i>T.S. Petrenko, V.S. Kublanov, A.A. Petrenko, K.Ju. Retyunskiy, A.V. Fedotovskih</i> |
| Application of the non-invasive adaptive neuro-electrostimulation device for treatment of cognitive impairment in the model of attention deficit hyperactivity disorder, T.S. Petrenko, V.S. Kublanov, A.A. Petrenko, K.Ju. Retyunskiy |
| The functional brain asymmetry as a method for evaluation of the cognitive potential for patients with organic brain damage, <i>K.Ju. Retyunskiy, V.S. Kublanov, T.S. Petrenko, A.A. Petrenko, A.Yu. Dolganov</i> |
| Application neuroelectrostimulation of a peripheral nervous system for correction of cognitive characteristics in a problem of learning ability, V.S. Kublanov, A.A. Petrenko21 |
| Age and cognitive functions as intelligence predictors, Olga Razumnikova, Nina Volf27 |
| Research of preference in playback speed of learning video material depending on indicators of cognitive processes, <i>Alexander N. Varnavsky</i> |
| Research of preferences dependence in hierarchical text menus of user interface from performance cognitive processes, <i>Alexander N. Varnavsky</i> |