

2016 IEEE Artificial Intelligence and Natural Language Conference (AINL 2016)

**St. Petersburg, Russia
10 – 12 November 2016**



**IEEE Catalog Number: CFP16H87-POD
ISBN: 978-1-5090-4954-7**

**Copyright © 2016, FRUCT Oy
All Rights Reserved**

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

IEEE Catalog Number:	CFP16H87-POD
ISBN (Print-On-Demand):	978-1-5090-4954-7
ISBN (Online):	978-952-68397-8-3

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

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Preface

Preface of the AINL FRUCT 2016 Conference – Andrey Filchenkov, Lidia Pivovarova, Jan Žižka, Sergey Balandin	VII
--	-----

Papers

Alekseev A., Nikolenko S. – <i>Predicting the Age of Social Network Users from User-Generated Texts with Word Embeddings</i>	3
Bastrakova E., Ledesma R., Millan J., Rico F., Zighed D. – <i>Relational Machine Learning Author Disambiguation</i>	14
Bodrunova S., Blekanov I., Maksimov A. – <i>Measuring Influencers in Twitter ad-hoc Discussions: Active Users vs. Internal Networks in the Discourse on Biryuliovo Bashings in 2013</i>	21
Fenogenova A., Karpov I., Kazorin V. – <i>A General Method Applicable to the Search for Anglicisms in Russian Social Network Texts</i>	31
Filchenkov A., Muravyov S., Parfenov V. – <i>Towards Cluster Validity Index Evaluation and Selection</i>	37
Galinsky R., Alekseev A., Nikolenko S. – <i>Improving Neural Network Models for Natural Language Processing in Russian with Synonyms</i>	45
Jorge M., Condori R., Cavalcante G., Lapolla L. – <i>Towards Automatic Building of Term Hierarchies from Large Patent Datasets</i>	52
Khusainov A., Khusainova A. – <i>Speech Analysis and Synthesis Systems for the Tatar Language</i>	60
Loukachevitch N., Lashevich G. – <i>Multiword Expressions in Russian Thesauri RuThes and RuWordNet</i>	66
Panicheva P., Ledovaya Y., Bogolyubova O. – <i>Lexical, Morphological and Semantic Correlates of the Dark Triad Personality Traits in Russian Facebook Texts</i>	72

Short Papers

Goncharov A., Strijov V. – <i>Continuous Time Series Alignment in Human Actions Recognition</i>	N/A
Konovalov V., Adler M., Dagan I. – <i>Effective Paraphrase Expansion in Addressing Lexical Variability</i>	N/A
Kultsova M., Potseluico A., Anikin A., Romanenko R. – <i>An Ontology Based Adaptation of User Interface for People with Special Needs</i>	N/A
Malykh V. – <i>Robust Word Vectors for Russian Language</i>	N/A
Maucec M., Donaj G. – <i>Morphosyntactic Tags in Statistical Machine Translation of Highly Inflectional Language</i>	N/A
Pashakhin S. – <i>Topic Modeling for Frame Analysis of News Media</i>	N/A
Rakovsky A., Moskvichev A., Filchenkov A. – <i>Data Augmentation Method for the Image Sentiment Analysis</i>	N/A
Rykov Y., Nagornyy O., Koltsova O., Natta H., Kremenets A., Manovich L., Cerrone D., Crockett D. – <i>Semantic and Geospatial Mapping of Instagram Images in Saint-Petersburg</i>	N/A
Sukhopluev I., Ustalov D. – <i>An Adaptive Web Interface for Microtask-Based Crowdsourcing</i>	N/A

Index

Index of Authors	N/A
----------------------------	-----