

2017 International Conference on Speech Technology and Human-Computer Dialogue (SpeD 2017)

**Bucharest, Romania
6-9 July 2017**



**IEEE Catalog Number: CFP1755H-POD
ISBN: 978-1-5090-6498-4**

**Copyright © 2017 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 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:	CFP1755H-POD
ISBN (Print-On-Demand):	978-1-5090-6498-4
ISBN (Online):	978-1-5090-6497-7

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

Voice-Related Symptom and Knowledge-Bases Using Internet Mining	1
<i>H.-N. Teodorescu, D. Gogalniceanu</i>	
Word Associations in Media Posts Related to Disasters - A Statistical Analysis.....	9
<i>M. Pirnau</i>	
The SWARA Speech Corpus: A Large Parallel Romanian Read Speech Dataset	15
<i>A. Stan, F. Dinescu, C. Tiple, S. Meza, B. Orza, M. Chirila, M. Giurgiu</i>	
Semantics Driven Intelligent Front-End	21
<i>T. Gergely, E. Halmay, M. Szots, G. Suciu, R. Cheveresan</i>	
Multi-Resolution Spectral Input for Convolutional Neural Network-Based Speech Recognition	29
<i>L. Toth</i>	
Audio Signal Classification Using Linear Predictive Coding and Random Forests.....	35
<i>L. Grama, C. Rusu</i>	
Several Classifiers for Intruder Detection Applications.....	44
<i>E. Buhus, L. Grama, C. Rusu</i>	
Prosodic Phrases and Contrast Units in Intonation.....	50
<i>D. Jitca</i>	
Natural Language Processing Model - Compiling Natural Language into Byte Code.....	56
<i>M. Trifan, M. Anghelus, S. Constantinescu</i>	
MaRePhoR – An Open Access Machine-Readable Phonetic Dictionary for Romanian.....	62
<i>S.-A. Toma, A. Stan, M.-L. Pura, T. Barsan</i>	
Towards a Continuous Speech Corpus for Banking Domain Automatic Speech Recognition.....	68
<i>G. Suciu, S.-A. Toma, R. Cheveresan</i>	
An Analysis of Tweets related to Earthquakes, for the Romanian Language	74
<i>S. Bolea</i>	
Speech Recognition Results for Voice-Controlled Assistive Applications.....	80
<i>A. Caranica, H. Cucu, C. Burileanu, F. Portet, M. Vacher</i>	
A Rule-based Approach to Generating Large Phonetic Databases for Romanian - Results of the AFLR Project.....	88
<i>S.-S. Diaconescu, M.-M. Rizea, A. Minca, M. Radulescu</i>	
Cassandra Smart-Home System Description	94
<i>S. Dumitrescu</i>	
A "Small-Data" - Driven Approach to Dialogue Systems for Natural Language Human Computer Interaction	100
<i>T. Boros, S. Dumitrescu</i>	
Investigation on the Performances of APA in Forensic Noise Reduction	106
<i>R. Dobre, C. Paleologu, S. Ciocchina, C. Negrescu, D. Stanomir</i>	
SpeeD's DNN Approach to Romanian Speech Recognition	112
<i>A.-L. Georgescu, H. Cucu, C. Burileanu</i>	
Building a Representative Audio Base of Syllables for Romanian Language.....	120
<i>S.-S. Diaconescu, M.-M. Rizea, M. Ionescu, A. Minca, L. Dorobantu, S. Fulea, M. Radulescu, H. Cucu, D. Burileanu</i>	
Old Geographical Corpora: A Methodology for Interpretative Transcription.....	130
<i>M. Onofrei, D. Gifu, C. Bolea</i>	
Speech Recognition in Education - Voice Geometry Painter Application	136
<i>L.-P. Tuca, A. Iftene</i>	
Fast Method for ENF Database Build and Search	144
<i>G. Pop, D. Draghicescu, D. Burileanu, H. Cucu, C. Burileanu</i>	
Influences of Age in Emotion Recognition of Spontaneous Speech - A Case of an Under-Resourced Language	150
<i>N. Jamil, F. Apandi, R. Hamzah</i>	
Automatic Speaker Analysis 2.0: Hearing the Bigger Picture	156
<i>B. Schuller</i>	
Author Index	