

# **First Workshop on Bridging Human-Computer Interaction and Natural Language Processing 2021**

Online  
20 April 2021

ISBN: 978-1-7138-2961-4

**Printed from e-media with permission by:**

Curran Associates, Inc.  
57 Morehouse Lane  
Red Hook, NY 12571



**Some format issues inherent in the e-media version may also appear in this print version.**

Copyright© (2021) by the Association for Computational Linguistics  
All rights reserved.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact the Association for Computational Linguistics  
at the address below.

Association for Computational Linguistics  
209 N. Eighth Street  
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006  
Fax: 1-570-476-0860

[acl@aclweb.org](mailto:acl@aclweb.org)

**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  
Email: [curran@proceedings.com](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# Table of Contents

<i>Towards Hybrid Human-Machine Workflow for Natural Language Generation</i> Neslihan Iskender, Tim Polzehl and Sebastian Möller .....	1
<i>Spellchecking for Children in Web Search: a Natural Language Interface Case-study</i> Casey Kennington, Jerry Alan Fails, Katherine Landau Wright and Maria Soledad Pera .....	8
<i>Capturing Covertly Toxic Speech via Crowdsourcing</i> Alyssa Lees, Daniel Borkan, Ian Kivlichan, Jorge Nario and Tesh Goyal .....	14
<i>Towards Human-Centered Summarization: A Case Study on Financial News</i> Tatiana Passali, Alexios Gidiotis, Efstathios Chatzikyriakidis and Grigorios Tsoumakas .....	21
<i>Methods for the Design and Evaluation of HCI+NLP Systems</i> Hendrik Heuer and Daniel Buschek .....	28
<i>Context-sensitive evaluation of automatic speech recognition: considering user experience &amp; language variation</i> Nina Markl and Catherine Lai .....	34
<i>Embodied Multimodal Agents to Bridge the Understanding Gap</i> Nikhil Krishnaswamy and Nada Alalyani .....	41
<i>Putting Humans in the Natural Language Processing Loop: A Survey</i> Zijie J. Wang, Dongjin Choi, Shenyu Xu and Diyi Yang .....	47
<i>Can You Distinguish Truthful from Fake Reviews? User Analysis and Assistance Tool for Fake Review Detection</i> Jeonghwan Kim, Junmo Kang, Suwon Shin and Sung-Hyon Myaeng .....	53
<i>Challenges in Designing Games with a Purpose for Abusive Language Annotation</i> Federico Bonetti and Sara Tonelli .....	60
<i>Challenges in Designing Natural Language Interfaces for Complex Visual Models</i> Henrik Voigt, Monique Meuschke, Kai Lawonn and Sina Zarriß .....	66
<i>AfriKI: Machine-in-the-Loop Afrikaans Poetry Generation</i> Imke van Heerden and Anil Bas .....	74
<i>Situation-Specific Multimodal Feature Adaptation</i> Özge Alacam .....	81
<i>Machine Translation Believability</i> Marianna Martindale, Kevin Duh and Marine Carpuat .....	88
<i>Provocation: Contestability in Large-Scale Interactive NLP Systems</i> Tanushree Mitra .....	96
<i>An IDR Framework of Opportunities and Barriers between HCI and NLP</i> Nanna Inie and Leon Derczynski .....	101
<i>RE-AIMing Predictive Text</i> Matthew Higgs, Claire McCallum, Selina Sutton and Mark Warner .....	109

*How do people interact with biased text prediction models while writing?*  
Advait Bhat, Saaket Agashe and Anirudha Joshi ..... 116