

SLPAT 2022

**The Ninth Workshop on Speech and Language Processing for
Assistive Technologies**

Proceedings of the Workshop

May 27, 2022

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Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

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Introduction

We are pleased to bring you the Proceedings of the Ninth Workshop on Speech and Language Processing for Assistive Technologies (SLPAT-2022), held in virtually and in Dublin, Ireland on May 27, 2022. This workshop was intended to bring researchers from all areas of speech and language technology with a common interest in making everyday life more accessible for people facing physical, cognitive, sensory, emotional or developmental communication challenges. This workshop builds on eight previous such workshops co-located with conferences such as ACL, NAACL, EMNLP and Interspeech. It provides an opportunity for researchers, clinicians, and users of assistive technology to share research findings, to discuss present and future challenges, and to explore the potential for collaboration and progress. While Augmentative and Alternative Communication (AAC) is a particularly apt application area for speech and natural language processing technologies, we purposefully made the scope of the workshop broad enough to include assistive technologies (AT) as a whole, even those falling outside of AAC. Thus we have aimed at broad inclusivity, which is also manifest in the diversity of our program committee, authors, and invited speakers. We thank all the people who made this event possible.

Sarah Ebling, Emily Prud'hommeaux, and Preethi Vaidyanathan
Co-organizers of SLPAT-2022

Program Committee

Workshop Organizers

Sarah Ebling, University of Zurich
Emily Prud'hommeaux, Boston College
Preethi Vaidyanathan, EyeGaze, Inc.

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Simon Judge, University of Sheffield
Zeerak Talat, Simon Fraser University
Zoey Liu, Boston College

Invited Speakers

Annalu Waller, University of Dundee
Raja Kushalnagar, Gallaudet University

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Program

Friday, May 27, 2022

09:00 - 09:30 *Opening Remarks*

09:30 - 10:30 *Keynote 1 (Annalu Waller)*

10:30 - 11:00 *Break*

11:00 - 12:30 *Session 1*

Applying the Stereotype Content Model to assess disability bias in popular pre-trained NLP models underlying AI-based assistive technologies

Brienna Herold, James Waller and Raja Kushalnagar

A comparison study on patient-psychologist voice diarization

Rachid Riad, Hadrien Titeux, Laurie Lemoine, Justine Montillot, Agnes Sliwinski, Jennifer Bagnou, Xuan Cao, Anne-Catherine Bachoud-Levi and Emmanuel Dupoux

ColorCode: A Bayesian Approach to Augmentative and Alternative Communication with Two Buttons

Matthew Daly

12:30 - 14:00 *Break*

14:00 - 14:15 *Poster pitches*

14:15 - 15:15 *Poster session*

15:15 - 16:00 *Break*

16:00 - 16:30 *Session 2*

On the Ethical Considerations of Text Simplification

Sian Gooding

16:30 - 17:30 *Keynote 2 (Raja Kushalnagar)*

17:30 - 18:00 *Closing Remarks*