



2nd Automatic Assessment of Parkinsonian Speech Workshop AAPS'2024

November 21st-22nd, Cambridge, USA

Detailed program

All talks will be held at the Research Laboratory of Electronics (RLE) premises of the Massachusetts Institute of Technology (MIT) on its main campus in Cambridge, Massachusetts. The conference room is in the Fairchild Complex (**50, Vassar St**), on the 4th floor of MIT building 36 (**room 36-428**).

THURSDAY, November 21st

8:00-8:30	AAPS2024 Registration
8:30-8:45	Welcome to AAPS2024 – Day 1 Stefanie Shattuck-Hufnagel, Juan Ignacio Godino-Llorente Chairs of AAPS2024
8:45-9:40	Speech-Based Detection of Parkinson's Disease in Low-Resource Languages: A 20-Year Journey Through Speech Processing and Machine Learning Techniques Luis Pinto-Coelho Polytechnic Institute of Porto
9:40-10:35	An overview of the latest advances in responsible development and translation of clinical speech analytics Nicholas Cummins King's College London
10:35 – 11:00	Coffee Break
11:00 – 11:35	Modelling the variability of formant frequencies in Parkinson's Disease: towards an explainable universal biomarker Inés Vallejo, Juan I. Godino-Llorente Universidad Politécnica de Madrid
11:35 – 12:30	Leveraging Reverberation Time (RT60) as an Acoustic Biomarker for Speech Impairments in Parkinson's Disease: A Novel Approach Using Schroeder Integration Fasih Haider, Nina Diviza, and Saturnino Luz The University of Edinburgh, UK & Western University, Canada.
12:30-13:10	Lunch
13:10 – 14:05	Rapid Eye Movement Sleep Behavior Disorder: An insight into the prodromal Parkinson's Disease Speech Michal Novotny Czech Technical University in Prague
14:05 – 14:40	NeuroVoz: a Castillian Spanish corpus of parkinsonian speech (freely available) Juan I. Godino-Llorente Universidad Politécnica de Madrid
14:40 – 15:00	Coffee Break
15:00 – 15:35	ParkCeleb: A Novel Longitudinal Corpus for Evaluating Speech Patterns in People with Parkinson's Disease During the Prodromal Period Anna Favaro, Ankur Butala, Thomas Thebaud, Jesús Villalba, Najim Dehak, Laureano Moro-Velázquez The Johns Hopkins University
15:35 – 16:00	First day wrap-up
16:15 – 22:00	Social event

FRIDAY, November 22nd

8:45-9:00	Welcome to AAPS2024 – Day 2
9:00-9:45	Speech Accessibility Project Lorraine Ramig, Mark Hasegawa-Johnson LSVT Global, Inc. & University of Illinois
9:45-10:40	Preliminary Findings on the Long-term Effects of Home-based Transcranial Direct Current Stimulation Combined with Remote Speech Therapy on Hypokinetic Dysarthria in Parkinson's Disease Luboš Brabenec, Daniel Kováč, Jiří Mekyska, Martin Lamoš, Lenka Řehulková, Veronika Kábrtová, Lada Malechová, Irena Rektorová Masaryk University & Brno University of Technology
10:40-11:15	MARTA and MARTA-DOS: learning representation models for interpretable automatic phonemic grouping of the Parkinsonian speech Alejandro Guerrero-López, Julián D. Arias-Londoño, Stefanie Shattuck-Hufnagel, Juan I. Godino-Llorente Universidad Politécnica de Madrid & Massachusetts Institute of Technology
11:15 – 11:35	Coffee Break
11:35 – 12:10	Exploring the Complexity of Parkinson's Patient Speech for Depression Detection task: A Qualitative Analysis Barbara Ruvolo, Tilak Purohit, Bogdan Vlasenko, Juan Rafael Orozco-Arroyave, Mathew Magimai.-Doss Idiap Research Institute, École Polytechnique Fédérale de Lausanne & Universidad de Antioquia
12:10 – 13:10	Round table. Big challenges in the automatic assessment of Parkinson's Disease Moderator: Stefanie Shattuck-Hufnagel Luis Pinto-Coelho, Nicholas Cummins, Michal Novotny, Mark Hasegawa-Johnson
13:10-13:50	Lunch and Workshop wrap-up

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