



Keynote Speakers



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Title: Analysis of Pathological Speech – Pitfalls along the Way

In this talk, I focus on speech as an easy-to-extract biomarker for various diseases and congenital defects. I discuss the motivation and information gain of the analysis of pathological speech as well as various aspects which are more or less important when compared to the analysis of regular speech. Examples for these aspects are small data collections, data privacy, and explainability of the automatic decisions.

Biography

Elmar Nöth studied computer science at the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in Erlangen, Germany and at the M.I.T. in Cambridge, USA. Elmar is a professor at FAU's computer science department and retired from active duty in 2022. He was leading the speech group at the Pattern Recognition Lab. He is author or co-author of more than 500 articles. Almost 30 years ago his group connected the worldwide first conversational dialogue system to the public telephone line. In his PhD, Elmar focused on prosodic analysis. Since the year 2000, his group focused on the analysis and evaluation of pathologic speech and started fundamental research in that field. His current research interests are in prosody, analysis of pathologic speech, computer aided language learning, emotion analysis, and the analysis of animal communication.

