

Seminário "Does the acoustic waveform mirror the singing voice?"

Dia 19 de Novembro, às 14h30, na sala B016

No próximo dia 19 de Novembro, Sten Ternström - Department of Speech, Music and Hearing, KTH - Royal Institute of Technology, Stockholm, Suécia irá apresentar o seminário "Does the acoustic waveform mirror the singing voice?". A sessão terá lugar na sala B016 da FEUP, pelas 14h30.

Abstract:

"Prof. Sten Ternström will first briefly present the research activities of his group at KTH in Stockholm. He will then discuss the tasks of the ARTTS project (Assistive Real-Time Technology in Singing), and suggest a common conceptual framework for how they fit together, and how they differ. A key notion is that of different levels of representation. In the communication chain of singing, for example, we might have layers such as these: mental process - message - score - language/music - phonetics - biomechanics - aerodynamics/acoustics - radiated waveform - auditory perception. To pose the right research questions about the singing voice, it is helpful to consider these levels systematically, and to understand the kind of information that is present (or absent) at each level. Even if such levels of representation are more an analytical device than a ground truth, they offer a framework for thinking methodically about what to measure when studying the very complex system of the singing voice."

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