**Natural Language Processing &
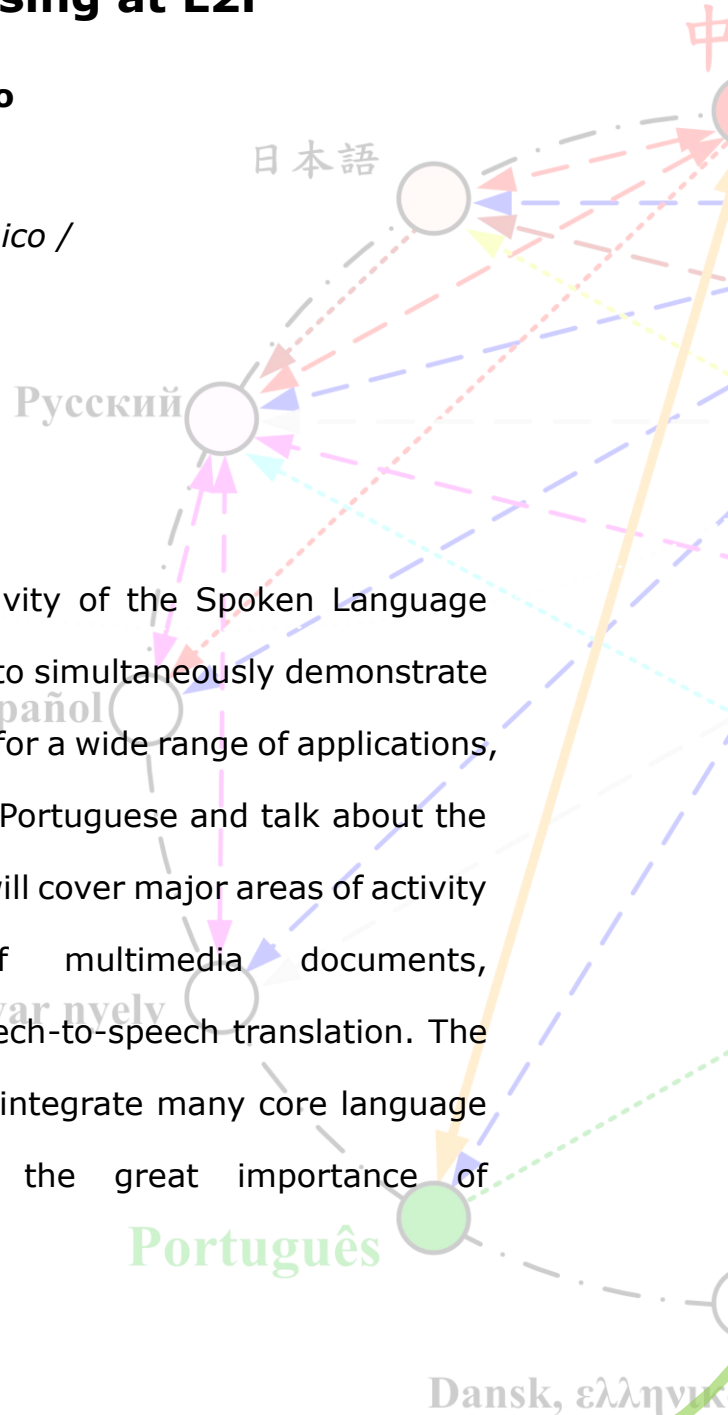Portuguese-Chinese Machine Translation Laboratory**

Spoken Language Processing at L2F

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Abstract

This talk covers several areas of activity of the Spoken Language Systems Lab of INESC-ID, in an effort to simultaneously demonstrate the potential of language technologies for a wide range of applications, show what has already been done for Portuguese and talk about the enormous challenges ahead. The talk will cover major areas of activity such as rich transcription of multimedia documents, spoken/multimodal dialogue, and speech-to-speech translation. The focus on these complex systems that integrate many core language technologies intends to illustrate the great importance of interdisciplinary research.

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Biography

Isabel Trancoso received the Licenciado, Mestre, Doutor and Agregado degrees in Electrical and Computer Engineering from Instituto Superior Técnico, Lisbon, Portugal, in 1979, 1984, 1987 and 2002, respectively. She has been a lecturer at this University since 1979, having coordinated the EEC course for 6 years. She is currently a Full Professor, teaching speech processing courses. She is also a senior researcher at INESC ID Lisbon, having launched the speech processing group, now restructured as L2F, in 1990. Her first research topic was medium-to-low bit rate speech coding. From October 1984 through June 1985, she worked on this topic at AT&T Bell Laboratories, Murray Hill, New Jersey. Her current scope is much broader, encompassing many areas in speech recognition and synthesis, with a special emphasis on tools and resources for the Portuguese language. She was a member of the ISCA (International Speech Communication Association) Board (1993-1998), the IEEE Speech Technical Committee (since 1999) and the Permanent Council for the Organization of the International Conferences on Spoken Language Processing (since 1998). She was elected Editor in Chief of the IEEE Transactions on Speech and Audio Processing (2003-2005), Member-at-Large of the IEEE Signal Processing Society Board of Governors (2006-2008), Vice-President of ISCA (2005-2007) and President of ISCA (2007-2011). She chaired the Organizing Committee of the INTERSPEECH'2005 Conference that took place in September 2005, in Lisbon. She received the 2009 IEEE Signal Processing Society Meritorious Service Award, and was elevated to IEEE Fellow in 2011.

Venue: **ILG120**
Date: 13 December, Thursday,
Time: 10:00am~11:00am