Núria Bel Rafécas is Full Professor at the Universitat Pompeu Fabra (Barcelona) and Head of Research of the group Technologies of Language Resources at the Institut de Lingüística Aplicada-IULA.

Her current lines of research are related to the development of methodologies and tools for the automatic acquisition of language resources from text data. Other areas of interest are machine translation, evaluation of machine translation, and language resources for natural language processing in general.

She has participated in more than 20 European and national funded research projects related to Language Resources such as: MULTTEXT (LRE62050), LSGRAM (LRE61029), PAROLE (LE2-4017), SIMPLE (LE4-8346), LIRICS (e-content 22236), PANACEA (7FP-ITC-248064) METANET4U (CIP-PSP-270893) and to Infrastructures for the research in Humanities and Social Sciences: CLARIN (FP7-INFRA-2007-1-212230) and DASISH (INFRA-2011-283646). She has published about 100 papers and she has been the supervisor of 10 PhD dissertations. Since October 2016 she is a member of the Board of the European Language Resources Association (ELRA) and since November 2013 member of the Executive Board of META-NET Network of Excellence.

Language Resources in the world of Neural Networks

Prof.ssa Núria Bel Rafécas
Universitat Pompeu Fabra - Barcelona
Departament de Traducció i Ciències del Llenguatge - Institut de Lingüística Aplicada IULA

24/01/2020, 11:00

@Aula Seminari - Istituto di Biofisica
ingresso 21, 1. piano

Ciclo di Seminari Formativi

Istituto di Linguistica Computazionale “A. Zampolli” - Area della Ricerca di Pisa CNR
For the last ten years, Núria Bel Rafécas has mainly worked on the automatic creation of language resources, i.e. collections of texts and vocabularies enriched with information about syntactic and semantic properties (e.g. from Part-of-Speech to Lexical Classes, Polarity, Lexical relations, dependency parse, etc.).

Leader of the research group Technologies of Languages Resources (TRL) as part of the group IULATERM - Lèxic i tecnologia research group. She authored more than 130 publications on the area and she supervised 10 PhD Dissertations. The TRL group has participated in 7 EU funded projects and 8 national competitive projects; TRL has signed contracts with several companies and public administration organisms for the development of resources and applications, and released more than 50 resources as open data for their exploitation to promote innovation.

Her current research focuses on the production of synthetic language resources for deep learning methods applied to natural language processing.

Programma

24 gennaio 2020, 11:00
Area della Ricerca CNR
Via G. Moruzzi 1 – 56124 Pisa
Aula Seminari - Istituto di Biofisica
ingresso 21, 1. piano

Introduzione
Monica Monachini, ILC-CNR (5’)

Language Resources in the world of Neural Networks
Núria Bel Rafécas (50’)

Domande e discussione
(15’)

Language Resources in the world of Neural Networks

Abstract

With this seminar-lecture Prof. Núria Bel will share her most recent experiences and know-how of the relation and importance that Language Resources (LRs) bear with the hot technologies that are comprised under the umbrella word Artificial Intelligence (AI) and more specifically with Neural Networks. The seminar also aims to be an occasion for reflection and confrontation on the future and role of LRs and LRs creators in relation to AI applications on real-world tasks.