

Miguel A. Alonso, Margarita Alonso-Ramos, Carlos Gómez-Rodríguez, David Vilares  
and Jesús Vilares (Eds.)

Proceedings of the

**Annual Conference of the Spanish Association for  
Natural Language Processing 2022: Projects and  
Demonstrations (SEPLN-PD 2022)**

co-located with the Conference of the Spanish Society for Natural Language Processing  
(SEPLN 2022)

A Coruña, Spain, September 21-23, 2022

<https://sepln2022.grupolys.org/>

## **Preface for SEPLN-PD 2022 Proceedings**

The aim of SEPLN-PD is to offer, both the scientific community and companies, a forum to present, share and publicize real applications in the field of Natural Language Processing, as well as R&D projects.

There were 23 papers submitted for peer-review to SEPLN-PD with descriptions of projects and demonstrations. The papers were evaluated on the basis of originality, quality, relevance, and structure and presentation of the paper. Every paper was reviewed by 3 reviewers and the review comments were shared with the authors for incorporating the suggestions and comments. Finally, 22 papers were accepted for this volume, 9 for projects and 13 for demonstrations.

SEPLN-PD 2022 has been supported partially by the Vice-Rectorate for Science Policy, Research and Transfer of the University of A Coruña, with co-funding from the R&D Agreement on Strategic Actions for 2022 between the Department of Culture, Education and University of the Xunta de Galicia and the University of A Coruña.

## **Editors of the Proceedings**

Miguel A. Alonso (Universidade da Coruña and CITIC, Spain)

Margarita Alonso-Ramos (Universidade da Coruña and CITIC, Spain)

Carlos Gómez-Rodríguez (Universidade da Coruña and CITIC, Spain)

David Vilares (Universidade da Coruña and CITIC, Spain)

Jesús Vilares (Universidade da Coruña and CITIC, Spain)

## **Programme Committee**

Miguel A. Alonso (*Chair*, Universidade da Coruña and CITIC, Spain)

Margarita Alonso-Ramos (Universidade da Coruña and CITIC, Spain)

Xabier Arregi Iparragirre: (UPV/EHU, Spain)

Manuel de Buenaga Rodríguez (Universidad de Alcalá, Spain)

Sylviane Cardey-Greenfield (Centre de recherche en linguistique et traitement automatique des langues, Lucien Tesnière. Besançon, France).

Irene Castellón Masalles (Universidad de Barcelona, Spain)

José Camacho Collados (Cardiff University, UK)

Arantza Díaz de Ilarrazá (UPV/EHU, Spain)

Antonio Ferrández Rodríguez (Universidad de Alicante, Spain)

Alexander Gelbukh (Instituto Politécnico Nacional, Mexico)

Koldo Gojenola Galletebeita (UPV/EHU, Spain)

Carlos Gómez-Rodríguez (Universidade da Coruña and CITIC, Spain)

Xavier Gómez Guinovart (Universidad de Vigo, Spain)

José Miguel Goñi Menoyo (Universidad Politécnica de Madrid, Spain)

Ramón López-Cozar Delgado (Universidad de Granada, Spain)

Mariana Lara Neves (German Federal Institute for Risk Assessment, Germany)

Elena Lloret (Universidad de Alicante, Spain)

Bernardo Magnini (Fondazione Bruno Kessler, Italy)

Nuno J. Mamede (Computadores Investigação e Desenvolvimento em Lisboa, Portugal)

M<sup>a</sup>. Teresa Martín Valdivia (Universidad de Jaén, Spain)  
Patrício Martínez-Barco (Universidad de Alicante, Spain)  
Eugenio Martínez Cámara (Universidad de Granada, Spain)  
Paloma Martínez Fernández (Universidad Carlos III, Spain)  
Raquel Martínez Unanue (Universidad Nacional de Educación a Distancia, Spain)  
Ruslan Mitkov (University of Wolverhampton, UK)  
Manuel Montes y Gómez (Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico)  
Manuel Palomar Sanz (Universidad de Alicante, Spain)  
Ferrán Pla Santamaría (Universidad Politécnica de Valencia, Spain)  
German Rigau i Claramunt (UPV/EHU, Spain)  
Paolo Rosso (Universidad Politécnica de Valencia, Spain)  
Leonel Ruiz Miyares (Centro de Lingüística Aplicada de Santiago de Cuba, Cuba)  
Emilio Sanchís Arnal (Universidad Politécnica de Valencia, Spain)  
Encarna Segarra Soriano (Universidad Politécnica de Valencia, Spain)  
Thamar Solorio (University of Houston, USA)  
M<sup>a</sup>. Teresa Taboada Gómez (Simon Fraser University, Canada)  
Mariona Taulé Delor (Universidad de Barcelona, Spain)  
Juan-Manuel Torres-Moreno (Laboratoire Informatique d'Avignon / Université d'Avignon, France)  
José Antonio Troyano Jiménez (Universidad de Sevilla, Spain)  
L. Alfonso Ureña López (Universidad de Jaén, Spain)  
Rafael Valencia García (Universidad de Murcia, Spain)  
René Venegas Velásquez (Universidad Católica de Valparaíso, Chile)  
Felisa Verdejo Maillo (Universidad Nacional de Educación a Distancia, Spain)  
Karin Vespoor (University of Melbourne, Australia)  
Manuel Vilares Ferro (Universidade de Vigo, Spain)  
Luis Villaseñor-Pineda (Instituto Nacional de Astrofísica, Óptica y Electrónica, Mexico)

## **External Reviewers**

- Laura Alonso Alemany (Universidad Nacional de Córdoba, Argentina)
- Ana-Maria Bucur (University of Bucharest, Romania)
- Óscar Araque Iborra (Universidad Politécnica de Madrid, Spain)
- Marco Casavantes (INAOE, Mexico)
- Riccardo Cervero (Universitat Politècnica de València, Spain)
- Elisabet Comelles (Universitat de Barcelona, Spain)
- Laritza Coello (INAOE, Mexico)
- Víctor Manuel Darriba Bilbao (Universidade de Vigo, Spain)
- Agustín Daniel Delgado Muñoz (UNED, Spain)
- Andrés Duque (UNED, Spain)
- Miguel Angel García Cumberras (Universidad de Jaén, Spain)
- José Antonio García-Díaz (Universidad de Murcia, Spain)
- Juan Luis García Mendoza (INAOE, Mexico)
- Delia Irazú Hernández-Farias (Universidad de Guanajuato, Mexico)
- Salud María Jiménez-Zafra (Universidad de Jaén, Spain)
- Arturo Montejo-Ráez (Universidad de Jaén, Spain)
- Arantxa Otegi (UPV/EHU, Spain)
- David Owen (Cardiff University, UK)
- José M. Perea-Ortega (Universidad de Extremadura, Spain)
- Flor-Miriam Plaza-del-Arco (Universidad de Jaén, Spain)
- Francisco J. Ribadas-Pena (Universidade de Vigo, Spain)
- Giulia Rizzi (Università degli studi di Milano-Bicocca, Italy)
- Juan Fernando Sánchez Rada (Universidad Politécnica de Madrid, Spain)
- David Vilares (Universidade da Coruña and CITIC, Spain)



## Organization



## Sponsors



UNIVERSIDADE DA CORUÑA



XUNTA  
DE GALICIA

CONSELLERÍA DE  
CULTURA, EDUCACIÓN  
E UNIVERSIDADE

Xacobeo 21·22

