

## CEUR Workshop Proceedings

Proceedings of the Doctoral  
Symposium on Natural Language  
Processing from the PLN.net network  
(PLNnet-DS-2021)

## Papers

### Affective Computing:

**Evaluation of Linguistic Features Separately or Combined with Transformers for Solving Automatic Text Classification Tasks in Spanish**

José Antonio García Díaz.....1-7

**A Supervised Approach for Sentiment Analysis using Skipgrams and its Application to Sentiment Visualisation in Social Media**

Javier Fernández Martínez.....8-13

### Fake News:

**Semi-automatic Annotation Proposal for Increasing a Fake News Dataset in Spanish**

Alba Bonet Jover .....14-22

**Automatic Contradiction Detection in Spanish**

Robiert Sepúlveda Torres.....23-31

### Natural Language Generation:

**Communicative Intentions Annotation Scheme for Natural Language Generation**

María Miró Maestre .....32-40

### Social Bias:

**On the Detection of Political and Social Bias**

Javier Sánchez Junquera.....41-49

**Text Simplification:**

**Tailoring Automatic Text Simplification Output for Deaf and Hard of Hearing Adults**

Euan McGill.....50-59

**Named Entity Recognition:**

**Using Named Entity Recognition to Identify Personification Constructions in an English <>> Spanish Intermodal Corpus of the EP Committee on Petitions**

Fernando Sánchez Rodas.....60-66

Copyright @ 2021 for the individual papers by the papers' authors.

Copyright @ 2021 for the volume as a collection by its editors. This volume and its papers are published under the Creative Commons License Attribution 4.0 International (CC BY4.0).



## CEUR Workshop Proceedings

Proceedings of the Doctoral  
Symposium on Natural Language  
Processing from the PLN.net network  
(PLNnet-DS-2021)

## Organization

### Organizing committee

María Teresa Martín Valdivia	Universidad de Jaén	maite@ujaen.es
M. Dolores Molina González	Universidad de Jaén	mdmolina@ujaen.es
Salud María Jiménez Zafra	Universidad de Jaén	sjzafra@ujaen.es

**Edited in:** Universidad de Jaén

**Year:** 2021

### Editors:

M. Teresa Martín Valdivia	Universidad de Jaén	maite@ujaen.es
M. Dolores Molina González	Universidad de Jaén	mdmolina@ujaen.es
Salud María Jiménez Zafra	Universidad de Jaén	sjzafra@ujaen.es

**Published by:** CEUR Workshop Proceedings

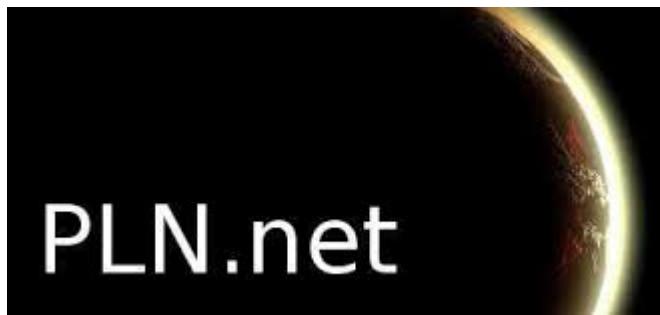
### Program Committee

Estela Saquete Boro	Universitat de Alicante
Patricio Martínez Barco	Universitat de Alicante
Eugenio Martínez Cámaras	Universidad de Granada
Arturo Montejo Ráez	Universidad de Jaén
Miguel Ángel García Cumbreras	Universidad de Jaén

Rafael Valencia García	Universidad de Murcia
Fermín Cruz Mata	Universidad de Sevilla
José Antonio Troyano Jiménez	Universidad de Sevilla

## Acknowledgements

The organization of the Doctoral Symposium 2021 has involved researchers from the thematic network of excellence (PLN.NET 2018) funded by the Ministerio de Ciencia, Innovación y Universidades for the creation of lively communication forums among Natural Language Processing researchers (RED2018-102418-T).



## CEUR Workshop Proceedings

Proceedings of the Doctoral  
Symposium on Natural Language  
Processing from the PLN.net network  
(PLNnet-DS-2021)

### Preamble

The [PLN.net](#) thematic network organizes the Doctoral Symposium on Natural Language Processing that has been held on October 19-20, 2021 in Baeza (Jaén) Spain.

The Doctoral Symposium aims to be a meeting point where PhD students in the area of Natural Language Processing can present their work. Moreover, they receive constructive feedback and guidance from experienced researchers in their area of work.

In the 2021 edition, 8 PhD students participated: 2 focused on the task of Affective Computing, 2 on Fake News, 1 on Natural Language Generation, 1 on Social Bias, 1 on Text Simplification and 1 on Named Entity Recognition. All participants submitted a paper describing their proposals, all of them being accepted after review by two members of the program committee and by the organizing committee.

November 2021  
The editors