

Alberto Barrón-Cedeño

ASSOCIATE PROFESSOR

Alma Mater Studiorum - Università di Bologna, Italy

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Positions

Alma Mater Studiorum – Università di Bologna

ASSOCIATE PROFESSOR

- Analysis of propaganda in text
- Analysis of harming contents

Forlì, Italy
2022 – today

Alma Mater Studiorum – Università di Bologna

SENIOR ASSISTANT PROFESSOR

- Analysis of propaganda in text
- Multilingual models for text similarity

Forlì, Italy
2019 – 2022

Qatar Computing Research Institute

SCIENTIST (A. LANGUAGE TECHNOLOGIES)

- Supervised models for quality assessment in community question answering
- Multilingual models for text similarity

Doha, Qatar
2014 – 2019

Talp Research Center. Universitat Politècnica de Catalunya

POST-DOCTORAL RESEARCHER (INCL. ERCIM “ALAIN BENSOUSSAN” FELLOWSHIP)

- Gathering of multilingual resources
- Text similarity

Barcelona, Spain
2012 – 2014

Education

Universitat Politècnica de València

DOCTOR OF PHILOSOPHY (COMPUTER SCIENCE; INTERNATIONAL MENTION)

- Dissertation: On the Mono- and Cross-Language Detection of Text Re-Use and Plagiarism
- Supervisor: Paolo Rosso
- Committee: Ricardo Baeza-Yates • Benno Stein • Paul Clough • Fabio Crestani • José Miguel Benedí

Valencia, Spain
2009 – 2012

MASTERS IN ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND DIGITAL IMAGE

2007 – 2008

Universidad Nacional Autónoma de México

MASTERS IN COMPUTER SCIENCE (CUM LAUDE)

Mexico City, Mexico
2005 – 2007

BENG IN COMPUTING (CUM LAUDE)

1999 – 2004

Selected peer reviewed publications¹

Overview of selected publications in journals with impact factor (if) and top conferences (bolded items are Core A). ar=acceptance rate.

id	journal	year	if	id	conference	ar (%)	id	conference	ar (%)	id	conference	ar (%)
16.	KAIS	2023	2.531	39.	NAACL 24	23.2	23.	EMNLP 19	16.0	7.	NAACL 12	–
15.	DATA	2022	–	38.	LREC-COLING 24	52.0	22.	ECIR 19	–	6.	COLING 10	41.0
14.	IJCoL	2022	–	37.	LREC-COLING 24	52.0	21.	AAAI 19	–	5.	COLING 10	41.0
13.	IP&M	2019	3.444	36.	LREC-COLING 24	52.0	20.	ACL 18	30.0	4.	CICLING 10	23.0
12.	LRE	2019	0.656	35.	ECIR 24	–	19.	NAACL 18	51.3	3.	ECIR 09	31.9
11.	JDIQ	2019	–	34.	EAMT 23	–	18.	AAAI 18	–	2.	CICLING 09	26.3
10.	IP&M	2019	3.444	33.	ECIR 23	–	17.	SIGIR 17	30.0	1.	CICLING 09	26.3
9.	JSTSP	2017	5.301	32.	EMNLP 22	20.0	16.	SIGIR 17	30.0			
8.	IP&M	2017	2.391	31.	ECIR 22	–	15.	ECIR 17	27.0			
7.	JUCS	2015	0.546	30.	IJCAI 21	–	14.	COLING 16	32.4			
6.	JAIR	2015	1.659	29.	ECIR 21	–	13.	COLING 16	32.4			
5.	CAE	2014	0.935	28.	IJCAI 20	25.2	12.	CIKM 16	24.0			
4.	KNOSYS	2013	3.325	27.	ACL 20	35.0	11.	EMNLP 15	24.0			
3.	CL	2013	2.212	26.	ECIR 20	–	10.	ACL 15	22.4			
2.	LRE	2011	0.975	25.	SemEval 20	–	9.	ECIR 14	28.8			
1.	Algo	2011	0.444	24.	EMNLP 19	16.0	8.	IJCAI 13	28.1			

Journal Papers

16	TAILORING AND EVALUATING THE WIKIPEDIA FOR IN-DOMAIN COMPARABLE CORPORA EXTRACTION <i>España-Bonet, Barrón-Cedeño, Màrquez</i>	2023 KAIS
15	H-PROP AND H-PROP-NEWS: COMPUTATIONAL PROPAGANDA DATASETS IN HINDI <i>Chaudhari, Ambika Vishal and Barrón-Cedeño</i>	2022 DATA
14	ARIEMOZIONE 2.0: IDENTIFYING EMOTIONS IN OPERA VERSES AND ARIAS <i>Zhang, Fernicola, Garcea, Bonora, Barrón-Cedeño</i>	2022 IJCoL
13	PROPPY: ORGANIZING NEWS COVERAGE ON THE BASIS OF THEIR PROPAGANDISTIC CONTENT <i>Barrón-Cedeño, Jaradat, Da San Martino, Nakov</i>	2019 IP&M
12	STUDYING THE HISTORY OF THE ARABIC LANGUAGE: LANGUAGE TECHNOLOGY AND A LARGE-SCALE HISTORICAL CORPUS <i>Belinkov, Magidow, Barrón-Cedeño, Shmidman, Romanov</i>	2019 LRE
11	AUTOMATIC FACT CHECKING USING CONTEXT AND DISCOURSE INFORMATION <i>Atanasova, Nakov, Màrquez, Barrón-Cedeño, Karadzhov, Mihaylova, Mohtarami, Glass</i>	2019 ACM JDIQ
10	LANGUAGE PROCESSING AND LEARNING MODELS FOR COMMUNITY QUESTION ANSWERING IN ARABIC <i>Romeo, Da San Martino, Belinkov, Barrón-Cedeño, Eldesouki, Darwish, Mubarak, Glass, Moschitti</i>	2019 IP&M
9	AN EMPIRICAL ANALYSIS OF NMT-DERIVED INTERLINGUAL EMBEDDINGS AND THEIR USE IN PARALLEL SENTENCE IDENTIFICATION <i>España-Bonet, Varga, Barrón-Cedeño & van Genabith</i>	2017 IEEE JSTSP
8	LANGUAGE PROCESSING AND LEARNING MODELS FOR COMMUNITY QUESTION ANSWERING IN ARABIC <i>Romeo, Da San Martino, Belinkov, Barrón-Cedeño, Eldesouki, Darwish, Mubarak, Glass, Moschitti</i>	2017 IP&M
7	CROSS-LANGUAGE SOURCE CODE RE-USE DETECTION USING LATENT SEMANTIC ANALYSIS <i>Flores, Barrón-Cedeño, Moreno, Rosso</i>	2015 JUCS
6	LEVERAGING ONLINE USER FEEDBACK TO IMPROVE STATISTICAL MACHINE TRANSLATION <i>Formiga, Barrón-Cedeño, Màrquez, Henríquez, Mariño</i>	2015 JAIR

¹Papers in workshops and other conferences not included. Visit my Gscholar profile for a full list. Titles link to the paper's website.

- 5 UNCOVERING SOURCE CODE REUSE IN LARGE-SCALE ACADEMIC ENVIRONMENTS 2015
*Flores, **Barrón-Cedeño**, Moreno, Rosso* CAE
- 4 METHODS FOR CROSS-LANGUAGE PLAGIARISM DETECTION 2013
Barrón-Cedeño, Gupta, Rosso KNOSYS
- 3 PLAGIARISM MEETS PARAPHRASING: INSIGHTS FOR THE NEXT GENERATION IN AUTOMATIC PLAG DET 2013
Barrón-Cedeño, Vila, Martí, Rosso CL
- 2 CROSS-LANGUAGE PLAGIARISM DETECTION 2011
 Potthast, **Barrón-Cedeño**, Stein, Rosso LRE
- 1 A STATISTICAL APPROACH TO CROSSLINGUAL NATURAL LANGUAGE TASKS 2009
 Pinto, Civera, **Barrón-Cedeño**, Juan, and Rosso Algo

Conference Papers

- 39 ELOTE, CHOCLO AND MAZORCA: ON THE VARIETIES OF SPANISH 2024
*España-Bonet and **Barrón-Cedeño*** NAACL
- 38 PEJORATIVITY: DISAMBIGUATING PEJORATIVE EPITHETS TO IMPROVE MISOGYNY DETECTION IN ITALIAN TWEETS 2024
*Muti, Ruggeri, Toraman, **Barrón-Cedeño**, Algherini, Musetti, Ronchi, Saretto, Zapparoli* LREC-COLING
- 37 THE CHALLENGES OF CREATING A PARALLEL MULTILINGUAL HATE SPEECH CORPUS: AN EXPLORATION 2024
*Korre, Muti, **Barrón-Cedeño*** LREC-COLING
- 36 A CORPUS FOR SENTENCE-LEVEL SUBJECTIVITY DETECTION ON ENGLISH NEWS ARTICLES 2024
*Antici, Ruggeri, Galassi, Korre, Muti, Bardí, Fedotova, **Barrón-Cedeño*** LREC-COLING
- 35 THE CLEF-2024 CHECKTHAT! LAB: CHECK-WORTHINESS, SUBJECTIVITY, PERSUASION, ROLES, AUTHORITIES, AND ADVERSARIAL ROBUSTNESS 2024
Barrón-Cedeño, Alam, Chakraborty, Elsayed, Nakov, Przybyła, Struß, Haouari, Hasanain, Ruggeri, et al. ECIR
- 34 RETURN TO THE SOURCE: ASSESSING MACHINE TRANSLATION SUITABILITY 2023
*Fernicola, Bernardini, Garcea, Ferraresi, **Barrón-Cedeño*** EAMT
- 33 THE CLEF-2023 CHECKTHAT! LAB: CHECKWORTHINESS, SUBJECTIVITY, POLITICAL BIAS, FACTUALITY, AND AUTHORITY 2023
Barrón-Cedeño, Alam, Caselli, Da San Martino, Elsayed, Galassi, Haouari, Ruggeri, Struß, et al. ECIR
- 32 THE (UNDESIRE) ATTENUATION OF HUMAN BIASES BY MULTILINGUALITY 2022
*España-Bonet and **Barrón-Cedeño*** EMNLP
- 31 THE CLEF-2022 CHECKTHAT! LAB ON FIGHTING THE COVID-19 INFODEMIC AND FAKE NEWS DETECTION 2022
*Nakov, **Barrón-Cedeño**, Da San Martino, et al.* ECIR
- 30 AUTOMATED FACT-CHECKING FOR ASSISTING HUMAN FACT-CHECKERS 2021
*Nakov, Corney, Hasanain, Alam, Elsayed, **Barrón-Cedeño**, Papotti, Shaar, Da San Martino* IJCAI
- 29 THE CLEF-2021 CHECKTHAT! LAB ON DETECTING CHECK-WORTHY CLAIMS, PREVIOUSLY FACT-CHECKED CLAIMS, AND FAKE NEWS 2021
*Nakov, Da San Martino, Elsayed, **Barrón-Cedeño**, Míguez, et al.* ECIR
- 28 A SURVEY ON COMPUTATIONAL PROPAGANDA DETECTION 2020
*Da San Martino, Cresci, **Barrón-Cedeño**, Yu, Di Pietro, Nakov* IJCAI
- 27 PRTA: A SYSTEM TO SUPPORT THE ANALYSIS OF PROPAGANDA TECHNIQUES IN THE NEWS 2020
*Da San Martino, Shaar, Zhang, Yu, **Barrón-Cedeño**, Nakov* ACL (best demo, honorable mention)
- 26 CHECKTHAT! AT CLEF 2020: ENABLING THE AUTOMATIC IDENTIFICATION AND VERIFICATION OF CLAIMS IN SOCIAL MEDIA 2020
Barrón-Cedeño, Elsayed, Nakov, Da San Martino, Hasanain, Suwaileh, Haouari ECIR
- 25 SEMEVAL-2020 TASK 11: DETECTION OF PROPAGANDA TECHNIQUES IN NEWS ARTICLES 2020
*Da San Martino, **Barrón-Cedeño**, Wachsmuth, Petrov, Nakov* SemEval (best task, honorable mention)

24	FINE-GRAINED ANALYSIS OF PROPAGANDA IN NEWS ARTICLES <i>Da San Martino, Yu, Barrón-Cedeño, Petrov, Nakov</i>	2019 EMNLP
23	TANBIH: GET TO KNOW WHAT YOU ARE READING <i>Zhang, Da San Martino, Barrón-Cedeño, Romeo, An, Kwak, Staykovski, Jaradat, Karadzhov, Baly, Darwish, Glass, Nakov</i>	2019 EMNLP
22	CHECKTHAT! AT CLEF 2019: AUTOMATIC IDENTIFICATION AND VERIFICATION OF CLAIMS <i>Elsayed, Nakov, Barrón-Cedeño, Hasanain, Suwaileh, Atanasova, Da San Martino</i>	2019 ECIR
21	PROPPY: A SYSTEM TO UNMASK PROPAGANDA IN ONLINE NEWS (DEMO) <i>Barrón-Cedeño, Da San Martino, Jaradat, Nakov</i>	2019 AAAI
20	A FLEXIBLE, EFFICIENT AND ACCURATE FRAMEWORK FOR COMMUNITY QUESTION ANSWERING PIPELINES (DEMO) <i>Romeo, Da San Martino, Barrón-Cedeño, Moschitti</i>	2018 ACL
19	CLAIMRANK: DETECTING CHECK-WORTHY CLAIMS IN ARABIC AND ENGLISH (DEMO) <i>Jaradat, Gencheva, Barrón-Cedeño, Màrquez, Nakov</i>	2018 NAACL
18	FACT CHECKING IN COMMUNITY FORUMS <i>Mihaylova, Nakov, Màrquez, Barrón-Cedeño, Mohtarami, Karadzhov, Glass.</i>	2018 AAAI
17	ON THE USE OF AN INTERMEDIATE CLASS IN BOOLEAN CROWDSOURCED RELEVANCE ANNOTATIONS FOR LEARNING TO RANK COMMENTS <i>Barrón-Cedeño, Da San Martino, Filice, Moschitti</i>	2017 SIGIR
16	CROSS-LANGUAGE QUESTION RE-RANKING <i>Da San Martino, Romeo, Barrón-Cedeño, Joty, Màrquez, Moschitti</i>	2017 SIGIR
15	A MULTIPLE-INSTANCE LEARNING APPROACH TO SENTENCE SELECTION FOR QUESTION RANKING <i>Romeo, Da San Martino, Barrón-Cedeño, and Alessandro Moschitti</i>	2017 ECIR
14	SELECTING SENTENCES VERSUS SELECTING TREE CONSTITUENTS FOR AUTOMATIC QUESTION RANKING <i>Barrón-Cedeño, Da San Martino, Romeo, Moschitti</i>	2016 COLING
13	NEURAL ATTENTION FOR LEARNING TO RANK QUESTIONS IN COMMUNITY QUESTION ANSWERING <i>Romeo, Da San Martino, Barrón-Cedeño, Moschitti, Belinkov, Glass, Mohtarami, Hsu, Zhang</i>	2016 COLING
12	LEARNING TO RE-RANK QUESTIONS IN COMMUNITY QUESTION ANSWERING USING ADVANCED FEATURES <i>Da San Martino, Barrón-Cedeño, Romeo, Uva, Moschitti</i>	2016 CIKM
11	GLOBAL THREAD-LEVEL INFERENCE FOR COMMENT CLASSIFICATION IN COMMUNITY QUESTION ANSWERING <i>Joty, Barrón-Cedeño, Da San Martino, Filice, Màrquez, Moschitti, Nakov</i>	2015 EMNLP
10	THREAD-LEVEL INFORMATION FOR COMMENT CLASSIFICATION IN COMMUNITY QUESTION ANSWERING <i>Barrón-Cedeño, Filice, Da San Martino, Joty, Màrquez, Nakov, Moschitti</i>	2015 ACL
9	A COMPARISON OF APPROACHES FOR MEASURING CROSS-LINGUAL SIMILARITY OF WIKIPEDIA ARTICLES <i>Barrón-Cedeño, Paramita, Clough, Rosso</i>	2014 ECIR
8	IDENTIFYING USEFUL HUMAN CORRECTION FEEDBACK FROM AN ON-LINE MACHINE TRANSLATION SERVICE <i>Barrón-Cedeño, Màrquez, Henríquez, Formiga, Merino, May</i>	2013 ICJAI
7	DESoCoRE: DETECTING SOURCE CODE RE-USE ACROSS PROGRAMMING LANGUAGES <i>Flores, Barrón-Cedeño, Rosso, Moreno</i>	2012 NAACL-HLT (demo)
6	PLAGIARISM DETECTION ACROSS DISTANT LANGUAGE PAIRS <i>Barrón-Cedeño, Rosso, Agirre, and Labaka</i>	2010 COLING
5	AN EVALUATION FRAMEWORK FOR PLAGIARISM DETECTION <i>Potthast, Stein, Barrón-Cedeño, Rosso</i>	2010 COLING
4	WORD LENGTH n -GRAMS FOR TEXT RE-USE DETECTION <i>Barrón-Cedeño, Basile, Degli Esposti, and Rosso</i>	2009 CICLing

3	ON AUTOMATIC PLAGIARISM DETECTION BASED ON N-GRAMS COMPARISON <i>Barrón-Cedeño and Rosso</i>	2009 ECIR
2	REDUCING THE PLAGIARISM DETECTION SEARCH SPACE ON THE BASIS OF THE KULLBACK-LEIBLER DISTANCE <i>Barrón-Cedeño, Rosso, and Benedí</i>	2009 CICLing
1	AN IMPROVED AUTOMATIC TERM RECOGNITION METHOD FOR SPANISH <i>Barrón-Cedeño, Sierra, Drouin, and Ananiadou</i>	2009 CICLing

Publications in other conferences, workshops and shared tasks

45	WHEN ELOTE, CHOCLO AND MAZORCA ARE NOT THE SAME. ISOMORPHISM-BASED PERSPECTIVE TO THE SPANISH VARIETIES DIVERGENCES <i>España-Bonet and Barrón-Cedeño</i>	2024 VarDial
44	HATE SPEECH DETECTION IN AN ITALIAN INCEL FORUM USING BILINGUAL DATA FOR PRE-TRAINING AND FINE-TUNING <i>Gajo, Bernardini, Ferraresi, Barrón-Cedeño</i>	2023 CLIC-it
43	!TRANSLATE: WHEN YOU CANNOT COOK UP A TRANSLATION, EXPLAIN <i>Garcea, Martinelli, Milicević Petrović, Barrón-Cedeño</i>	2023 RANLP
42	ON THE IDENTIFICATION AND FORECASTING OF HATE SPEECH IN INCELDOM <i>Gajo, Muti, Korre, Bernardini, Barrón-Cedeño</i>	2023 RANLP
41	HARMFUL LANGUAGE DATASETS: AN ASSESSMENT OF ROBUSTNESS <i>Korre, Pavlopoulos, Sorensen, Laugier, Androutsopoulos, Dixon, Barrón-Cedeño</i>	2023 ACL WOH
40	UNIBOE'S AT SEMEVAL-2023 TASK 10: MODEL-AGNOSTIC STRATEGIES FOR THE IMPROVEMENT OF HATE-TUNED AND GENERATIVE MODELS IN THE CLASSIFICATION OF SEXIST POSTS <i>Muti, Fericola, Barrón-Cedeño</i>	2023 SemEval
39	OVERVIEW OF THE CLEF-2023 CHECKTHAT! LAB ON CHECKWORTHINESS, SUBJECTIVITY, POLITICAL BIAS, FACTUALITY, AND AUTHORITY OF NEWS ARTICLES AND THEIR SOURCE <i>Barrón-Cedeño, Alam, Galassi, Da San Martino, Nakov, Elsayed, Azizov, Caselli, Cheema, Haouari, Hasanain, Kutlu, Li, Ruggeri, Struß, Zaghouni</i>	2023 CLEF
38	OVERVIEW OF THE CLEF-2022 CHECKTHAT! LAB ON FIGHTING THE COVID-19 INFODEMIC AND FAKE NEWS DETECTION <i>Nakov, Barrón-Cedeño, Da San Martino, Alam, Struß, Mandl, Míguez, Caselli, Kutlu, Zaghouni, Li, Shaar, Shahi, Mubarak, Nikolov, Babulkov, Kartal, Wiegand, Siegel, Köhler</i>	2022 CLEF
37	OVERVIEW OF THE CLEF-2022 CHECKTHAT! LAB TASK 1 ON IDENTIFYING RELEVANT CLAIMS IN TWEETS <i>Nakov, Barrón-Cedeño, Da San Martino, Alam, Míguez, Caselli, Kutlu, Zaghouni, Li, Shaar, Mubarak, Nikolov, Kartal</i>	2022 CLEF WN
36	UNIBO AT SEMEVAL-2022 TASK 5: A MULTIMODAL BI-TRANSFORMER APPROACH TO THE BINARY AND FINE-GRAINED IDENTIFICATION OF MISOGYNY IN MEMES <i>Muti, Korre, Barrón-Cedeño</i>	2022 SemEval
35	MISOGYNY AND AGGRESSIVENESS TEND TO COME TOGETHER AND TOGETHER WE ADDRESS THEM <i>Muti, Fericola, Barrón-Cedeño</i>	2022 LREC
34	A CHECKPOINT ON MULTILINGUAL MISOGYNY IDENTIFICATION <i>Muti and Barrón-Cedeño</i>	2022 ACL SRW
33	LEANINGTOWER@LT-EDI-ACL2022: WHEN HOPE AND HATE COLLIDE <i>Muti, Marchiori Manerba, Korre, Barrón-Cedeño</i>	2022 LT-EDI
32	ARE CRESCIA AND PIADINA THE SAME? TOWARDS IDENTIFYING SYNONYMY OR NON-SYNONYMY BETWEEN ITALIAN WORDS TO ENABLE CROWDSOURCING FROM LANGUAGE LEARNERS <i>Aparaschivei, Lionel Nicolas Barrón-Cedeño</i>	2021 CLIC-it
31	QLUSTY: QUICK AND DIRTY GENERATION OF EVENT VIDEOS FROM WRITTEN MEDIA COVERAGE <i>Barrón-Cedeño, Da San Martino, Zhang, Ali, Dalvi</i>	2018 NewsIR

30	OVERVIEW OF THE CLEF-2018 CHECKTHAT! LAB ON AUTOMATIC IDENTIFICATION AND VERIFICATION OF POLITICAL CLAIMS, TASK 1: CHECK-WORTHINESS <i>Atanasova, Màrquez, Barrón-Cedeño, Elsayed, Suwaileh, Zaghouani, Kyuchukov, Da San Martino, Nakov</i>	2017 CLEF Working Notes
29	OVERVIEW OF THE CLEF-2018 CHECKTHAT! LAB ON AUTOMATIC IDENTIFICATION AND VERIFICATION OF POLITICAL CLAIMS, TASK 2: FACTUALITY Barrón-Cedeño , Elsayed, Suwaileh, Màrquez, Atanasova, Zaghouani, Kyuchukov, Da San Martino, Nakov	2018 CLEF Working Notes
28	OVERVIEW OF THE CLEF-2018 CHECKTHAT! LAB ON AUTOMATIC IDENTIFICATION AND VERIFICATION OF POLITICAL CLAIMS <i>Nakov, Barrón-Cedeño, Elsayed, Suwaileh, Màrquez, Zaghouani, Atanasova, Kyuchukov, Da San Martino</i>	2018 CLEF
27	A CONTEXT-AWARE APPROACH FOR DETECTING WORTH-CHECKING CLAIMS IN POLITICAL DEBATES <i>Gencheva, Nakov, Màrquez, Barrón-Cedeño, Koychev</i>	2017 RANLP
26	FULLY AUTOMATED FACT CHECKING USING EXTERNAL SOURCES <i>Karadzhov, Nakov, Màrquez, Barrón-Cedeño, Koychev</i>	2017 RANLP
25	LUMP AT SEMEVAL-2017 TASK 1: TOWARDS AN INTERLINGUA SEMANTIC SIMILARITY <i>España-Bonet and Barrón-Cedeño</i>	2017 SemEval
24	AN INTERACTIVE SYSTEM FOR EXPLORING COMMUNITY QUESTION ANSWERING FORUMS <i>Hoque, Joty, Marquez, Barrón-Cedeño, Da San Martino, Moschitti, Nakov, Romeo, Carenini</i>	2016 COLING Demo
23	CONVKN AT SEMEVAL-2016 TASK 3: ANSWER AND QUESTION SELECTION FOR QUESTION ANSWERING ON ARABIC AND ENGLISH FORA Barrón-Cedeño , Bonadiman, Da San Martino, Joty, Moschitti, Al Obaidli, Romeo, Tymoshenko, Uva	2016 SemEval
22	A FACTORY OF COMPARABLE CORPORA FROM WIKIPEDIA Barrón-Cedeño , España-Bonet, Boldoba, and Màrquez	2015 BUCC
21	ANSWER SELECTION IN ARABIC COMMUNITY QUESTION ANSWERING: A FEATURE-RICH APPROACH <i>Belinkov, Barrón-Cedeño, and Mubarak</i>	2015 WANLP
20	QCRI: ANSWER SELECTION FOR COMMUNITY QUESTION ANSWERING - EXPERIMENTS FOR ARABIC AND ENGLISH <i>Nicosia, Filice, Barrón-Cedeño, Saleh, Mubarak, Gao, Nakov, Da San Martino, Moschitti, Darwish, Màrquez, Joty, Magdy</i>	2015 SemEval
19	OVERVIEW OF THE AUTHOR IDENTIFICATION TASK AT PAN 2014 <i>Stamatatos, Daelemans, Verhoeven, Potthast, Stein, Juola, Sanchez-Perez, and Barrón-Cedeño</i>	2014 CLEF
18	IPA AND STOUT: LEVERAGING LINGUISTIC AND SOURCE-BASED FEATURES FOR MACHINE TRANSLATION EVALUATION <i>González, Barrón-Cedeño, and Màrquez</i>	2014 WMT
17	UPC-CORE: WHAT CAN MACHINE TRANSLATION EVALUATION METRICS AND WIKIPEDIA DO FOR ESTIMATING SEMANTIC TEXTUAL SIMILARITY? Barrón-Cedeño , Màrquez, Fuentes, Rodríguez, Turmo	2013 *SEM
16	THE TALP-UPC APPROACH TO SYSTEM SELECTION: ASIYA FEATURES AND PAIRWISE CLASSIFICATION USING RANDOM FORESTS <i>Formiga, González, Barrón-Cedeño, Fonollosa, Màrquez</i>	2013 WMT
15	CROSS-LANGUAGE HIGH SIMILARITY SEARCH USING A CONCEPTUAL THESAURUS <i>Gupta, Barrón-Cedeño, Rosso</i>	2012 CLEF
14	OVERVIEW OF THE 4TH INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION <i>Potthast, Gollub, Hagen, Grassegger, Kiesel, Michel, Oberländer, Tippmann, Barrón-Cedeño, Gupta, Rosso, Stein</i>	2012 CLEF
13	TOWARDS THE DETECTION OF CROSS-LANGUAGE SOURCE CODE REUSE <i>Flores, Barrón-Cedeño, Rosso, Moreno</i>	2011 NLDB
12	PAN@FIRE: OVERVIEW OF THE CROSS-LANGUAGE INDIAN TEXT RE-USE DETECTION COMPETITION Barrón-Cedeño , Rosso, Lalitha Devi, Clough, Stevenson	2011 FIRE
11	OVERVIEW OF THE 3RD INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION <i>Potthast, Eiselt, Barrón-Cedeño, Stein, Rosso</i>	2011 CLEF

10	DETECTING SOURCE CODE REUSE ACROSS PROGRAMMING LANGUAGES <i>Flores, Barrón-Cedeño, Rosso, Moreno</i>	2011 SEPLN
9	OVERVIEW OF THE 2ND INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION <i>Potthast, Barrón-Cedeño, , Eiselt, Stein, Rosso</i>	2010 CLEF
8	ON THE MONO- AND CROSS-LANGUAGE DETECTION OF TEXT REUSE AND PLAGIARISM Barrón-Cedeño	2010 SIGIR DC
7	TOWARDS THE 2ND INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION AND BEYOND Barrón-Cedeño and Rosso	2010 IPC
6	CORPUS AND EVALUATION MEASURES FOR AUTOMATIC PLAGIARISM DETECTION Barrón-Cedeño , Potthast, Rosso, Stein, and Eiselt	2010 LREC
5	ENGLISH-SPANISH LARGE STATISTICAL DICTIONARY OF INFLECTIONAL FORMS <i>Sidorov, Barrón-Cedeño, Rosso</i>	2010 LREC
4	MONOLINGUAL TEXT SIMILARITY MEASURES: A COMPARISON OF MODELS OVER WIKIPEDIA ARTICLES REVISIONS Barrón-Cedeño , Eiselt, Rosso	2009 ICON
3	OVERVIEW OF THE 1ST INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION <i>Potthast, Stein, Eiselt, Barrón-Cedeño, Rosso</i>	2009 PAN
2	ON CROSS-LINGUAL PLAGIARISM ANALYSIS USING A STATISTICAL MODEL Barrón-Cedeño , Rosso, Pinto, and Juan	2008 PAN
1	TOWARDS THE EXPLOITATION OF STATISTICAL LANGUAGE MODELS FOR PLAGIARISM DETECTION WITH REFERENCE Barrón-Cedeño and Rosso	2008 PAN

Editorial Service

Specialty Chief Editor

FRONTIERS IN ARTIFICIAL INTELLIGENCE

- Natural Language Processing Specialty Section

Frontiers
2023 – today

Editor

3	EXPERIMENTAL IR MEETS MULTILINGUALITY, MULTIMODALITY, AND INTERACTION. PROC. OF THE THIRTEENTH INTL. CONF. OF THE CLEF ASSOCIATION (CLEF 2022) Barrón-Cedeño , Da San Martino, Degli Esposti, Sebastiani, Macdonald, Pasi, Hanbury, Potthast, Faggioli, Ferro	2022 LNCS
2	ONLINE INFORMATION DISORDER: FAKE NEWS, BOTS AND TROLLS (SPECIAL ISSUE) <i>Giachanou, Zhang, Barrón-Cedeño, Koltsova, Rosso</i>	2022 IJDSA
1	NATURAL LANGUAGE PROCESSING FOR INTERNET FREEDOM: CENSORSHIP, DISINFORMATION, AND PROPAGANDA (NLP4IF) <i>Giachanou, Zhang, Barrón-Cedeño, Koltsova, Rosso</i>	2022 IJDSA

Funding²

2022–2023	PI of Almaldea Project !Trans , Alma Mater Studiorum–Università di Bologna	24,000.00€
2021–2024	PhD Fellowship (as supervisor) , Regione Emilia–Romagna Alte Competenze (Italy)	86,743.44€
2019	Marie Skłodowska Curie Postdoctoral Grant , Horizon Europe (fellowship granted, unused)	183,473.28€
2012 – 2013	A. Bensoussan Fellowship , European Research Consortium for Informatics and Mathematics	43,330.17€
2007 – 2012	PhD Scholarship , Mexican Council of Science and Technology	57,600€
2004 – 2006	MSc scholarship , Mexican Council of Science and Technology	~9,350€

²Excluding funds for research internships and projects in which I have been participant.

Teaching

Università di Bologna

LECTURER AT THE MA PROGRAM "SPECIALISED TRANSLATION" (TRANSLATION AND TECHNOLOGY)

- Advanced Professional Skills (2023–2024)
- Natural Language Processing (2022–2024)
- Profession-based Research (2022–2024)
- Computational Linguistics (2019–2021)
- Software Localisation (2020–2022)

Forlì, Italy

2020–2022

Università di Bologna

LECTURER AT THE BA PROGRAM "IN LANGUAGES AND TECHNOLOGIES FOR INTERCULTURAL COMMUNICATION"

- Computational Thinking (2023)

Forlì, Italy

2023–

Universidad Nacional Autónoma de México

LECTURER ASSISTANT AT THE B.ENG. IN COMPUTING

- Computers and Programming (1st semester)

Mexico City, Mexico

2005 – 2007

Selected Honors & Awards

2020	Best demonstration paper (honorable mention): Prta: A System to Support the Analysis of Propaganda Techniques in the News , 58th Annual Meeting of the Association for Computational Linguistics	ACL
2020	Best Task (honorable mention): Task 11: Detection of Propaganda Techniques in News Articles , Fourteenth Workshop on Semantic Evaluation	SemEval
2012	Ph.D. international mention , Universitat Politècnica de València	Valencia, Spain
2009	Best M.Sc. thesis on Language Technologies , MAVIR	Spain
2007	M.Sc degree, cum laude , National University of Mexico	Mexico City, Mexico
2004	BEng. cum laude , National University of Mexico	Mexico City, Mexico

PhD Dissertations Supervision

Towards a Universal and Cross-language Approach to Internet Hate Speech Detection and Analysis

KATERINA KORRE. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Beatrice Spallacia)

Forlì, Italy

ongoing

Deep learning for automatic misogyny identification

ARIANNA MUTI. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Beatrice Spallacia)

Forlì, Italy

ongoing

Natural Language Processing for Gastronomy

PAOLO GAJO. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Andrea Omicini)

Forlì, Italy

ongoing

Masters Dissertations Supervision

QueerBench: Quantifying Discrimination in Language Models towards Queer Identities

MAE SOSTO. MSc. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Beatrice Spallaccia)

Bologna, Italy

2023

This Is My Cope: Identification and Forecasting of Hate Speech in Inceldom

PAOLO GAJO. MA. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisors: Silvia Bernardini, Adriano Ferraresi)

Forlì, Italy

2023

Decoding Medical Dramas: Identifying Isotopies through Multimodal Classification

ALICE FEDOTOVA. MA. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Maja Milicevic Petrovic)

Forlì, Italy

2023

Return to the Source: Assessing Machine Translation Suitability based on the Source Text using XLM-ROBERTa (cum laude)

FRANCESCO FERNICOLA. MA. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisors: Silvia Bernardini, Federico Garcea)

Forlì, Italy

2022

Methods of Definition Extraction and Linking for Food Recipes (cum laude)

MARGHERITA MARTINELLI. MA. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisors: Adriano Ferraresi, Federico Garcea)

Forlì, Italy

2022

Emotion Identification in Italian Opera (cum laude)

SHIBINGFENG ZHANG. MA. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA
(co-supervisor: Adriano Ferraresi)

Forlì, Italy

2021

Towards Open-Domain Cross-Language Question Answering

INES ABBES. MSc. NATIONAL HIGHER ENGINEERING SCHOOL OF TUNIS
(co-supervision with Mohamed Jemni)

Tunisia / Qatar

2018

Semiautomatic completion of Wikipedia Contents with domain-specific MT and CLIR

ADRIANA ELENA COSMA. MSc, UNIVERSITAT POLITÈCNICA DE CATALUNYA
(co-supervision with Cristina España-Bonet and Horacio Rodriguez)

Barcelona, Spain

2015

Exploiting Wikipedia to Enrich a Machine Translator

JOSU BOLDOBA TRAPOTE. BSc, UNIVERSITAT POLITÈCNICA DE CATALUNYA
(co-supervision with Cristina España-Bonet and Lluís Màrquez)

Barcelona, Spain

2014

Organisation of Scientific Events

GENERAL CHAIRMAN OF CLEF: CONFERENCE AND LABS OF THE EVALUATION FORUM

Bologna, Italy

2022

CLEF

CHECKTHAT! LAB ON DETECTING CHECK-WORTHY CLAIMS, PREVIOUSLY FACT-CHECKED CLAIMS, AND FAKE NEWS.

2018–2024

CLEF

TASK 11: DETECTION OF PROPAGANDA TECHNIQUES IN NEWS ARTICLES.

Barcelona, Spain

2020

SemEval

DISCOVERY CHALLENGE: LEARNING TO RE-RANK QUESTIONS FOR CQA.

Riva del Garda, Italy

2016

ECML/PKDD

PAN 1ST–4TH INTERNATIONAL TASK ON PLAGIARISM DETECTION

2009–2012

CLEF (1st at SEPLN)

WORKSHOP ON IBERIAN CROSS-LANGUAGE NATURAL LANGUAGE PROCESSING TASKS

Spain

2012, 2011

SEPLN

CL!TR - CROSS-LANGUAGE INDIAN TEXT REUSE

Bombay, India

2011

FIRE

Selected invited talks

KEYNOTE. ON THE DEFINITION AND THE AUTOMATIC DETECTION OF HATE SPEECH <i>Timișoara, Romania</i>	2023 RADH
SEMINAR. AN APERITIVO OF EFFORTS AGAINST HARMING ONLINE CONTENTS: PROPAGANDA, HATE SPEECH, SPAM <i>Cambridge, UK</i>	2022 Cambridge NLP Seminar Series
SEMINAR. ON THE RELEVANCE OF UNMASKING PROPAGANDA ONLINE <i>London, UK</i>	2021 QMUL Cognitive Science
SEMINAR. PROPAGANDA IS BEHIND (DIS)INFORMATION CONCEPTS AND COUNTER-MEASURES <i>Montréal, Canada</i>	2020 OLST-RALI Seminars
KEYNOTE. FROM UNCOVERING TO PROMOTING AND EXPLOITING TEXT RE-USE <i>St. Petersburg, Russia</i>	2015 AINL-ISMW FRUCT
TUTORIAL. PLAGIARISM DETECTION (EXTERNAL APPROACH) <i>St. Petersburg, Russia</i>	2015 AINL-ISMW FRUCT
TUTORIAL: DETECTION OF PLAGIARISM AND TEXT REUSE <i>Kharagpur, India (in conjunction with Paolo Rosso)</i>	2010 ICON

Evaluation Committees (grants and projects)

2023	Project Reviewer , Swiss National Science Foundation	Switzerland
2020	PhD Student Selection Committee , DIT, Università di Bologna	Italy
2017	National Program for Scholarships Abroad , CONACyT	Mexico
2017	Annual Computer Science Projects , CONICYT	Chile
2017, 2015	Challenge 22. FIFA's World Cup 2022 Projects , Supreme Committee for Delivery & Legacy	Qatar

Selected Program Committees

Journals KNOSYS • IP&M • JIS • LRE • NLE • KAIS • ESWA • ACM TIST • JAIR • INFFUS • JCSL • IEEE Trans. Educ
Conferences AAAI (senior PC) • ACL • SIGIR • EMNLP • IJCAI • NAACL • ECIR • CONLL

Research Internships and Visits

Università di Bologna Extra-UE Visits LOCAL CONTACT: PROF. PATRICK DROUIN.	<i>Université de Montréal, Canada</i> June 2024
Plagiarism detection and authorship identification SUPERVISOR: PROF. BENNO STEIN.	<i>Bauhaus-Universität Weimar, Germany</i> Jan. – Feb. 2014
Analysis of text re-use and plagiarism SUPERVISOR: DR. PAUL CLOUGH	<i>University of Sheffield, UK</i> Jun. – Oct. 2010
Automatic extraction of terms SUPERVISOR: DR. PATRICK DROUIN	<i>Université de Montréal, Canada</i> Sep 2006 – Jan 2007

Other

Languages Spanish (native speaker) • English (full professional proficiency) • Italian (Professional Working Proficiency) • French (elementary proficiency)