

# Alberto Barrón-Cedeño

ASSOCIATE PROFESSOR

Alma Mater Studiorum - Università di Bologna, Italy

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## Positions

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### 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

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### 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 publications<sup>1</sup>

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 (%)
15.	KAIS	2022	2.531	32.	<b>EMNLP 22</b>	–	16.	<b>SIGIR 17</b>	30.0
16.	IJCoL	2022	–	31.	<b>ECIR 22</b>	–	15.	ECIR 17	27.0
13.	IP&M	2019	3.444	30.	<b>IJCAI 21</b>	–	14.	<b>COLING 16</b>	32.4
12.	LRE	2019	0.656	29.	<b>ECIR 21</b>	–	13.	<b>COLING 16</b>	32.4
11.	JDIQ	2019	–	28.	<b>IJCAI 20</b>	25.2	12.	CIKM 16	24.0
10.	IP&M	2019	3.444	27.	<b>ACL 20</b>	35.0	11.	<b>EMNLP 15</b>	24.0
9.	JSTSP	2017	5.301	26.	<b>ECIR 20</b>	–	10.	<b>ACL 15</b>	22.4
8.	IP&M	2017	2.391	25.	SemEval 20	–	9.	ECIR 14	28.8
7.	JUCS	2015	0.546	24.	<b>EMNLP 19</b>	16.0	8.	<b>IJCAI 13</b>	28.1
6.	JAIR	2015	1.659	23.	<b>EMNLP 19</b>	16.0	7.	<b>NAACL 12</b>	–
5.	CAE	2014	0.935	22.	<b>ECIR 19</b>	–	6.	<b>COLING 10</b>	41.0
4.	KNOSYS	2013	3.325	21.	<b>AAAI 19</b>	–	5.	<b>COLING 10</b>	41.0
3.	CL	2013	2.212	20.	<b>ACL 18</b>	30.0	4.	CICLING 10	23.0
2.	LRE	2011	0.975	19.	<b>NAACL 18</b>	51.3	3.	ECIR 09	31.9
1.	Algo	2011	0.444	18.	<b>AAAI 18</b>	–	2.	CICLING 09	26.3
				17.	<b>SIGIR 17</b>	30.0	1.	CICLING 09	26.3

### Journal Papers

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

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

4	METHODS FOR CROSS-LANGUAGE PLAGIARISM DETECTION <i>Barrón-Cedeño, Gupta, Rosso</i>	2013 KNOSYS
3	PLAGIARISM MEETS PARAPHRASING: INSIGHTS FOR THE NEXT GENERATION IN AUTOMATIC PLAG DET <i>Barrón-Cedeño, Vila, Martí, Rosso</i>	2013 CL
2	CROSS-LANGUAGE PLAGIARISM DETECTION <i>Potthast, Barrón-Cedeño, Stein, Rosso</i>	2011 LRE
1	A STATISTICAL APPROACH TO CROSSLINGUAL NATURAL LANGUAGE TASKS <i>Pinto, Civera, Barrón-Cedeño, Juan, and Rosso</i>	2009 Algo

## Conference Papers

32	THE (UNDESIRE) ATTENUATION OF HUMAN BIASES BY MULTILINGUALITY <i>España-Bonet and and Barrón-Cedeño</i>	2022 (to appear) EMNLP
31	THE CLEF-2022 CHECKTHAT! LAB ON FIGHTING THE COVID-19 INFODEMIC AND FAKE NEWS DETECTION <i>Nakov, Barrón-Cedeño, Da San Martino, et al.</i>	2022 ECIR
30	AUTOMATED FACT-CHECKING FOR ASSISTING HUMAN FACT-CHECKERS <i>Nakov, Corney, Hasanain, Alam, Elsayed, Barrón-Cedeño, Papotti, Shaar, Da San Martino</i>	2021 IJCAI
29	THE CLEF-2021 CHECKTHAT! LAB ON DETECTING CHECK-WORTHY CLAIMS, PREVIOUSLY FACT-CHECKED CLAIMS, AND FAKE NEWS <i>Nakov, Da San Martino, Elsayed, Barrón-Cedeño, Míguez, et al.</i>	2021 ECIR
28	A SURVEY ON COMPUTATIONAL PROPAGANDA DETECTION <i>Da San Martino, Cresci, Barrón-Cedeño, Yu, Di Pietro, Nakov</i>	2020 IJCAI
27	PRTA: A SYSTEM TO SUPPORT THE ANALYSIS OF PROPAGANDA TECHNIQUES IN THE NEWS <i>Da San Martino, Shaar, Zhang, Yu, Barrón-Cedeño, Nakov</i>	2020 ACL (best demo, honorable mention)
26	CHECKTHAT! AT CLEF 2020: ENABLING THE AUTOMATIC IDENTIFICATION AND VERIFICATION OF CLAIMS IN SOCIAL MEDIA <i>Barrón-Cedeño, Elsayed, Nakov, Da San Martino, Hasanain, Suwaileh, Haouari</i>	2020 ECIR
25	SEMEVAL-2020 TASK 11: DETECTION OF PROPAGANDA TECHNIQUES IN NEWS ARTICLES <i>Da San Martino, Barrón-Cedeño, Wachsmuth, Petrov, Nakov</i>	2020 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, Karadzhev, 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, Karadzhev, 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, <b>Barrón-Cedeño</b>, Joty, Màrquez, Moschitti</i>	2017 SIGIR
15	A MULTIPLE-INSTANCE LEARNING APPROACH TO SENTENCE SELECTION FOR QUESTION RANKING <i>Romeo, Da San Martino, <b>Barrón-Cedeño</b>, and Alessandro Moschitti</i>	2017 ECIR
14	SELECTING SENTENCES VERSUS SELECTING TREE CONSTITUENTS FOR AUTOMATIC QUESTION RANKING <b>Barrón-Cedeño</b> , <i>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, <b>Barrón-Cedeño</b>, 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, <b>Barrón-Cedeño</b>, Romeo, Uva, Moschitti</i>	2016 CIKM
11	GLOBAL THREAD-LEVEL INFERENCE FOR COMMENT CLASSIFICATION IN COMMUNITY QUESTION ANSWERING <i>Joty, <b>Barrón-Cedeño</b>, Da San Martino, Filice, Màrquez, Moschitti, Nakov</i>	2015 EMNLP
10	THREAD-LEVEL INFORMATION FOR COMMENT CLASSIFICATION IN COMMUNITY QUESTION ANSWERING <b>Barrón-Cedeño</b> , <i>Filice, Da San Martino, Joty, Màrquez, Nakov, Moschitti</i>	2015 ACL
9	A COMPARISON OF APPROACHES FOR MEASURING CROSS-LINGUAL SIMILARITY OF WIKIPEDIA ARTICLES <b>Barrón-Cedeño</b> , <i>Paramita, Clough, Rosso</i>	2014 ECIR
8	IDENTIFYING USEFUL HUMAN CORRECTION FEEDBACK FROM AN ON-LINE MACHINE TRANSLATION SERVICE <b>Barrón-Cedeño</b> , <i>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 <b>Barrón-Cedeño</b> , <i>Rosso, Agirre, and Labaka</i>	2010 COLING
5	AN EVALUATION FRAMEWORK FOR PLAGIARISM DETECTION <i>Potthast, Stein, <b>Barrón-Cedeño</b>, Rosso</i>	2010 COLING
4	WORD LENGTH $n$ -GRAMS FOR TEXT RE-USE DETECTION <b>Barrón-Cedeño</b> , <i>Basile, Degli Esposti, and Rosso</i>	2009 CICLing
3	ON AUTOMATIC PLAGIARISM DETECTION BASED ON N-GRAMS COMPARISON <b>Barrón-Cedeño</b> and <i>Rosso</i>	2009 ECIR
2	REDUCING THE PLAGIARISM DETECTION SEARCH SPACE ON THE BASIS OF THE KULLBACK-LEIBLER DISTANCE <b>Barrón-Cedeño</b> , <i>Rosso, and Benedí</i>	2009 CICLing
1	AN IMPROVED AUTOMATIC TERM RECOGNITION METHOD FOR SPANISH <b>Barrón-Cedeño</b> , <i>Sierra, Drouin, and Ananiadou</i>	2009 CICLing

### Selected publications as editor

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

### Selected publications in other conferences, workshops and shared tasks

38	OVERVIEW OF THE CLEF-2022 CHECKTHAT! LAB ON FIGHTING THE COVID-19 INFODEMIC AND FAKE NEWS DETECTION <i>Nakov, <b>Barrón-Cedeño</b>, Da San Martino, Alam, Struß, Mandl, Míguez, Caselli, Kutlu, Zaghouni, Li, Shaar, Shahi, Mubarak, Nikolov, Babulkov, Kartal, Wiegand, Siegel, Köhler</i>	2022 CLEF
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37	OVERVIEW OF THE CLEF-2022 CHECKTHAT! LAB TASK 1 ON IDENTIFYING RELEVANT CLAIMS IN TWEETS <i>Nakov, <b>Barrón-Cedeño</b>, Da San Martino, Alam, Míguez, Caselli, Kutlu, Zaghouani, 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, <b>Barrón-Cedeño</b></i>	2022 SemEval
35	MISOGYNY AND AGGRESSIVENESS TEND TO COME TOGETHER AND TOGETHER WE ADDRESS THEM <i>Muti, Fernicola, <b>Barrón-Cedeño</b></i>	2022 LREC
34	A CHECKPOINT ON MULTILINGUAL MISOGYNY IDENTIFICATION <i>Muti and <b>Barrón-Cedeño</b></i>	2022 ACL SRW
33	LEANINGTOWER@LT-EDI-ACL2022: WHEN HOPE AND HATE COLLIDE <i>Muti, Marchiori Manerba, Korre, <b>Barrón-Cedeño</b></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 <b>Barrón-Cedeño</b></i>	2021 CLiC-it
31	QLUSTY: QUICK AND DIRTY GENERATION OF EVENT VIDEOS FROM WRITTEN MEDIA COVERAGE <b>Barrón-Cedeño</b> , Da San Martino, Zhang, Ali, Dalvi	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, <b>Barrón-Cedeño</b>, 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 <b>Barrón-Cedeño</b> , 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, <b>Barrón-Cedeño</b>, Koychev</i>	2017 RANLP
25	LUMP AT SEMEVAL-2017 TASK 1: TOWARDS AN INTERLINGUA SEMANTIC SIMILARITY <i>España-Bonet and <b>Barrón-Cedeño</b></i>	2017 SemEval
24	AN INTERACTIVE SYSTEM FOR EXPLORING COMMUNITY QUESTION ANSWERING FORUMS <i>Hoque, Joty, Marquez, <b>Barrón-Cedeño</b>, 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 <b>Barrón-Cedeño</b> , Bonadiman, Da San Martino, Joty, Moschitti, Al Obaidli, Romeo, Tymoshenko, Uva	2016 SemEval
22	A FACTORY OF COMPARABLE CORPORA FROM WIKIPEDIA <b>Barrón-Cedeño</b> , España-Bonet, Boldoba, and Màrquez	2015 BUCC
21	ANSWER SELECTION IN ARABIC COMMUNITY QUESTION ANSWERING: A FEATURE-RICH APPROACH <i>Belinkov, <b>Barrón-Cedeño</b>, and Mubarak</i>	2015 WANLP
20	QCRI: ANSWER SELECTION FOR COMMUNITY QUESTION ANSWERING - EXPERIMENTS FOR ARABIC AND ENGLISH <i>Nicosia, Filice, <b>Barrón-Cedeño</b>, 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 <b>Barrón-Cedeño</b></i>	2014 CLEF
18	IPA AND STOUT: LEVERAGING LINGUISTIC AND SOURCE-BASED FEATURES FOR MACHINE TRANSLATION EVALUATION <i>González, <b>Barrón-Cedeño</b>, and Màrquez</i>	2014 WMT

17	UPC-CORE: WHAT CAN MACHINE TRANSLATION EVALUATION METRICS AND WIKIPEDIA DO FOR ESTIMATING SEMANTIC TEXTUAL SIMILARITY? <i>Barrón-Cedeño, Márquez, Fuentes, Rodríguez, Turmo</i>	2013 *SEM
16	THE TALP-UPC APPROACH TO SYSTEM SELECTION: ASIYA FEATURES AND PAIRWISE CLASSIFICATION USING RANDOM FORESTS <i>Formiga, González, Barrón-Cedeño, Fonollosa, Márquez</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 <i>Barrón-Cedeño, Rosso, Lalitha Devi, Clough, Stevenson</i>	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 <i>Barrón-Cedeño</i>	2010 SIGIR DC
7	TOWARDS THE 2ND INTERNATIONAL COMPETITION ON PLAGIARISM DETECTION AND BEYOND <i>Barrón-Cedeño and Rosso</i>	2010 IPC
6	CORPUS AND EVALUATION MEASURES FOR AUTOMATIC PLAGIARISM DETECTION <i>Barrón-Cedeño, Potthast, Rosso, Stein, and Eiselt</i>	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 <i>Barrón-Cedeño, Eiselt, Rosso</i>	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 <i>Barrón-Cedeño, Rosso, Pinto, and Juan</i>	2008 PAN
1	TOWARDS THE EXPLOITATION OF STATISTICAL LANGUAGE MODELS FOR PLAGIARISM DETECTION WITH REFERENCE <i>Barrón-Cedeño and Rosso</i>	2008 PAN

## Funding<sup>2</sup>

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<sup>2</sup>Excluding funds for research internships and projects in which I have been participant.

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

## Teaching

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### Università di Bologna

LECTURER AT THE MA PROGRAM “SPECIALISED TRANSLATION”

- Profession-based Research (2022)
- Computational Linguistics (2020–2022)
- Software Localisation (2020–2022)

Forlì, Italy

2020–2022

### 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

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

## PhD Dissertations Supervision

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

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

Forlì, Italy

ongoing

### Deep learning for automatic misogyny identification

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

Forlì, Italy

ongoing

### Crowdsourcing for the generation of language resources from language learning students

LAVINIA APARASCHIVEI. PHD. ALMA MATER STUDIORUM–UNIVERSITÀ DI BOLOGNA  
(co-supervisor: Lionel Nicolas; Eurac Research)

Forlì/Bolzano, Italy

ongoing

## Masters Dissertations Supervision

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### 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

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GENERAL CHAIR OF CLEF: CONFERENCE AND LABS OF THE EVALUATION FORUM <i>Bologna, Italy</i>	2022 (upcoming) CLEF
CHECKTHAT! LAB ON DETECTING CHECK-WORTHY CLAIMS, PREVIOUSLY FACT-CHECKED CLAIMS, AND FAKE NEWS.	2018–2022 CLEF
TASK 11: DETECTION OF PROPAGANDA TECHNIQUES IN NEWS ARTICLES. <i>Barcelona, Spain</i>	2020 SemEval
DISCOVERY CHALLENGE: LEARNING TO RE-RANK QUESTIONS FOR CQA. <i>Riva del Garda, Italy</i>	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 <i>Spain</i>	2012, 2011 SEPLN
CL!TR - CROSS-LANGUAGE INDIAN TEXT REUSE <i>Bombay, India</i>	2011 FIRE

## Selected invited talks

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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

## Grant Committees

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

## Selected Program Committees

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

## Research Internships

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### Plagiarism detection and authorship identification

SUPERVISOR: PROF. BENNO STEIN.

### Analysis of text re-use and plagiarism

SUPERVISOR: DR. PAUL CLOUGH

### Automatic extraction of terms

SUPERVISOR: DR. PATRICK DROUIN

*Bauhaus-Universität Weimar,  
Germany*

*Jan. – Feb. 2014*

*University of Sheffield, UK*

*Jun. – Oct. 2010*

*Université de Montréal, Canada*

*Sep 2006 – Jan 2007*

## Other

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### Languages

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