

Alberto Barrón-Cedeño

SENIOR ASSISTANT PROFESSOR

Alma Mater Studiorum - Università di Bologna, Forlì, Italy

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Positions

Alma Mater Studiorum – Università di Bologna

SENIOR ASSISTANT PROFESSOR

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

Forlì, Italy

2019 – today

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)

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

Valencia, Spain

2009 – 2012

MASTER DEGREE IN ARTIFICIAL INTELLIGENCE, PATTERN RECOGNITION AND DIGITAL IMAGE

2007 – 2008

Universidad Nacional Autónoma de México

MASTER DEGREE IN COMPUTER SCIENCE (CUM LAUDE)

Mexico City, Mexico

2005 – 2007

BENG IN COMPUTING (CUM LAUDE)

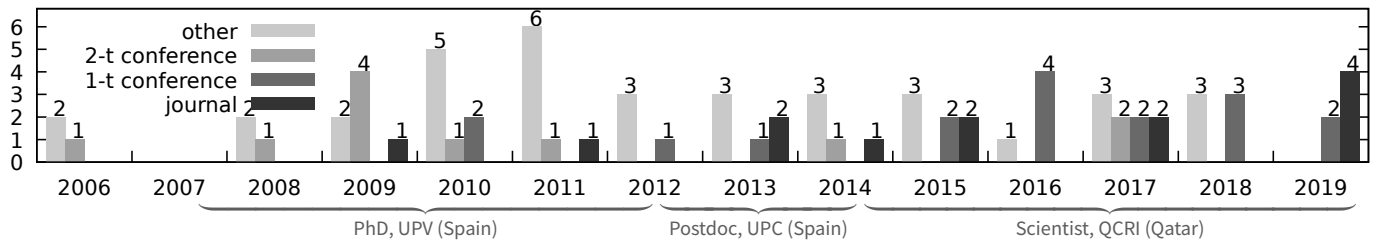
1999 – 2004

Selected peer review publications¹

Overview of selected publications in journals with impact factor (if) and top conferences (bolded items are Core A). ar=acceptance rate; cit=citations (excl. self). The plot shows a chronological overview from 2007 to the present. The list appears next.

id	journal	year	if	cit	id	conference	ar (%)	cit	id	conference	ar (%)	cit
13.	IP&M	2019	3.444	–	21.	ECIR 19	–	–	10.	EMNLP 15	24.0	12
12.	LRE	2019	0.656	–	20.	AAAI 19	–	–	9.	ACL 15	22.4	17
11.	JDIQ	2019	–	–	19.	ACL 18	–	–	8.	ECIR 14	28.8	6
10.	IP&M	2019	3.444	–	18.	NAACL 18	51.3	–	7.	IJCAI 13	28.1	1
9.	JSTSP	2017	5.301	1	17.	AAAI 18	–	–	6.	COLING 10	41.0	48
8.	IP&M	2017	2.391	1	16.	SIGIR 17	30.0	–	5.	COLING 10	41.0	228
7.	JUCS	2015	0.546	5	15.	SIGIR 17	30.0	1	4.	CICLING 10	23.0	33
6.	JAIR	2015	1.659	4	14.	ECIR 17	27.0	–	3.	ECIR 09	31.9	111
5.	CAE	2014	0.935	5	13.	COLING 16	32.4	2	2.	CICLING 09	26.3	40
4.	KNOSYS	2013	3.325	34	12.	COLING 16	32.4	3	1.	CICLING 09	26.3	56
3.	CL	2013	2.212	75	11.	CIKM 16	24.0	1				
2.	LRE	2011	0.975	126								
1.	Algo	2011	0.444	26								

¹This list does not include papers in workshops and other conferences. The citations count is based on Google Scholar and is pessimistic (in case of doubt, less citations are displayed than reported). Click on the titles to visit the paper's website.



Journal Papers

- 13 PROPPY: ORGANIZING NEWS COVERAGE ON THE BASIS OF THEIR PROPAGANDISTIC CONTENT 2019
Barrón-Cedeño, Jaradat, Da San Martino, Nakov IP&M
- 12 STUDYING THE HISTORY OF THE ARABIC LANGUAGE: LANGUAGE TECHNOLOGY AND A LARGE-SCALE HISTORICAL CORPUS 2019
Belinkov, Magidow, Barrón-Cedeño, Shmidman, Romanov LRE
- 11 AUTOMATIC FACT CHECKING USING CONTEXT AND DISCOURSE INFORMATION 2019
Atanasova, Nakov, Màrquez, Barrón-Cedeño, Karadzhov, Mihaylova, Mohtarami, Glass ACM JDIQ
- 10 LANGUAGE PROCESSING AND LEARNING MODELS FOR COMMUNITY QUESTION ANSWERING IN ARABIC 2019
Romeo, Da San Martino, Belinkov, Barrón-Cedeño, Eldesouki, Darwish, Mubarak, Glass, Moschitti IP&M
- 9 AN EMPIRICAL ANALYSIS OF NMT-DERIVED INTERLINGUAL EMBEDDINGS AND THEIR USE IN PARALLEL SENTENCE IDENTIFICATION 2017
España-Bonet, Varga, Barrón-Cedeño & van Genabith IEEE JSTSP
- 8 LANGUAGE PROCESSING AND LEARNING MODELS FOR COMMUNITY QUESTION ANSWERING IN ARABIC 2017
Romeo, Da San Martino, Belinkov, Barrón-Cedeño, Eldesouki, Darwish, Mubarak, Glass, Moschitti IP&M
- 7 CROSS-LANGUAGE SOURCE CODE RE-USE DETECTION USING LATENT SEMANTIC ANALYSIS 2015
Flores, Barrón-Cedeño, Moreno, Rosso JUICS
- 6 LEVERAGING ONLINE USER FEEDBACK TO IMPROVE STATISTICAL MACHINE TRANSLATION 2015
Formiga, Barrón-Cedeño, Màrquez, Henríquez, Mariño JAIR
- 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

- 21 CHECKTHAT! AT CLEF 2019: AUTOMATIC IDENTIFICATION AND VERIFICATION OF CLAIMS 2019
Elsayed, Nakov, Barrón-Cedeño, Hasanain, Suwaileh, Atanasova, Da San Martino ECIR
- 20 PROPPY: A SYSTEM TO UNMASK PROPAGANDA IN ONLINE NEWS (DEMO) 2019
Barrón-Cedeño, Da San Martino, Jaradat, Nakov AAAI
- 19 A FLEXIBLE, EFFICIENT AND ACCURATE FRAMEWORK FOR COMMUNITY QUESTION ANSWERING PIPELINES (DEMO) 2018
Romeo, Da San Martino, Barrón-Cedeño, Moschitti ACL
- 18 CLAIMRANK: DETECTING CHECK-WORTHY CLAIMS IN ARABIC AND ENGLISH (DEMO) 2018
Jaradat, Gencheva, Barrón-Cedeño, Màrquez, Nakov NAACL
- 17 FACT CHECKING IN COMMUNITY FORUMS 2018
Mihaylova, Nakov, Màrquez, Barrón-Cedeño, Mohtarami, Karadzhov, Glass. AAAI

16	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
15	CROSS-LANGUAGE QUESTION RE-RANKING <i>Da San Martino, Romeo, Barrón-Cedeño, Joty, Màrquez, Moschitti</i>	2017 SIGIR
14	A MULTIPLE-INSTANCE LEARNING APPROACH TO SENTENCE SELECTION FOR QUESTION RANKING <i>Romeo, Da San Martino, Barrón-Cedeño, and Alessandro Moschitti</i>	2017 ECIR
13	SELECTING SENTENCES VERSUS SELECTING TREE CONSTITUENTS FOR AUTOMATIC QUESTION RANKING <i>Barrón-Cedeño, Da San Martino, Romeo, Moschitti</i>	2016 COLING
12	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
11	LEARNING TO RE-RANK QUESTIONS IN COMMUNITY QUESTION ANSWERING USING ADVANCED FEATURES <i>Da San Martino, Barrón-Cedeño, Romeo, Uva, Moschitti</i>	2016 CIKM
10	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
9	THREAD-LEVEL INFORMATION FOR COMMENT CLASSIFICATION IN COMMUNITY QUESTION ANSWERING <i>Barrón-Cedeño, Filice, Da San Martino, Joty, Màrquez, Nakov, Moschitti</i>	2015 ACL
8	A COMPARISON OF APPROACHES FOR MEASURING CROSS-LINGUAL SIMILARITY OF WIKIPEDIA ARTICLES <i>Barrón-Cedeño, Paramita, Clough, Rosso</i>	2014 ECIR
7	IDENTIFYING USEFUL HUMAN CORRECTION FEEDBACK FROM AN ON-LINE MACHINE TRANSLATION SERVICE <i>Barrón-Cedeño, Màrquez, Henríquez, Formiga, Merino, May</i>	2013 ICJAI
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

Funding²

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

Universidad Nacional Autónoma de México

ASSISTANT LECTURER

- Computers and Programming (1st semester)

Mexico City, Mexico

2005 – 2007

Selected Honors & Awards

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

Dissertations Supervision

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

FACT CHECKING LAB: AUTOMATIC IDENTIFICATION AND VERIFICATION OF CLAIMS IN POLITICAL DEBATES.

Avignon, France

2018

CLEF

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

Riva del Garda, Italy

2016

ECML/PKDD

PAN 1ST-4TH INTERNATIONAL TASK ON PLAGIARISM DETECTION

San Sebastian, Rome, Amsterdam, Padua

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. FROM UNCOVERING TO PROMOTING AND EXPLOITING TEXT RE-USE

St. Petersburg, Russia

2015

AINL-ISMW FRUCT

TUTORIAL. PLAGIARISM DETECTION (EXTERNAL APPROACH)

St. Petersburg, Russia

2015

AINL-ISMW FRUCT

TUTORIAL: DETECTION OF PLAGIARISM AND TEXT REUSE

Kharagpur, India (in conjunction with Paolo Rosso)

2010

ICON

Grant Committees

2017	National Program for Scholarships Abroad , CONACyT	<i>Mexico</i>
2017	Annual Computer Science Projects , CONICYT	<i>Chile</i>
2017, 2015	Challenge 22. FIFA's World Cup 2022 Projects , Supreme Committee for Delivery & Legacy	<i>Qatar</i>

Selected Program Committees

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

Research Internships

Plagiarism detection and authorship identification

SUPERVISOR: PROF. BENNO STEIN.

*Bauhaus-Universität Weimar,
Germany*

Jan. – Feb. 2014

Analysis of text re-use and plagiarism

SUPERVISOR: DR. PAUL CLOUGH

University of Sheffield, UK

Jun. – Oct. 2010

Automatic extraction of terms

SUPERVISOR: DR. PATRICK DROUIN

Université de Montréal, Canada

Sep 2006 – Jan 2007

Other

Languages Spanish (native) • English (full professional proficiency) • French (elementary proficiency) • Italian (basic proficiency)