

# Miguel Angel Rios Gaona

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CONTACT INFORMATION	<p>Institute for Logic, Language and Computation University of Amsterdam Science Park 107 Amsterdam, 1098 XG.</p> <p><a href="mailto:m.riosgaona@uva.nl">m.riosgaona@uva.nl</a> <a href="http://mriosb08.github.io">http://mriosb08.github.io</a></p>
PERSONAL INFORMATION	<p>Birth: September 10, 1982. Nationality: Mexico. Gender: Male. Marital status: Single. Hobbies: Reading, tennis.</p>
RESEARCH INTERESTS	<p>Bayesian Deep Learning, Machine Translation , Quality Estimation, Recognising Textual Entailment, Semantic Textual Similarity and Word Sense Disambiguation.</p>
EDUCATION	<p><b>University of Wolverhampton</b> PhD, October 2010 - November 2014. <input type="checkbox"/> Dissertation: Methods for Measuring Semantic Similarity of Texts. <input type="checkbox"/> Supervisors: Lucia Specia, Ruslan Mitkov and Alexander Gelbukh.</p> <p><b>Centre for Computing Research, National Polytechnic Institute, Mexico</b> MSc (Computer Science), July 2008 - June 2010. <input type="checkbox"/> Dissertation: Word Sense Disambiguation and Recognizing Textual Entailment with Statistical Methods. <input type="checkbox"/> Supervisors: Alexander Gelbukh and Sivaji Bandyopadhyay.</p> <p><b>Superior School of Computing, National Polytechnic Institute, Mexico</b> BEng (Computer Systems Engineering), August 2004 - June 2008. <input type="checkbox"/> Dissertation: Word Sense Disambiguation Using Synonyms. <input type="checkbox"/> Supervisors: Alexander Gelbukh and Macario Hernández-Cruz.</p>
PUBLICATIONS	<p>M. Rios, W. Aziz, and K. Sima'an. <i>Deep Generative Model for Joint Alignment and Word Representation</i>. To appear in NAACL 2018.</p> <p>J. Peter, H. Ney, O. Bojar, N. Pham, J. Niehues, A. Waibel, F. Burlot, F. Yvon, M. Pinnis, V. Sics, J. Bastings, M. Rios, W. Aziz, P. Williams, F. Blain, and L. Specia. <i>The QT21 Combined Machine Translation System for English to Latvian</i>. WMT'17. Copenhagen, Denmark.</p> <p>M. Rios, S. Sharoff. <i>Large Scale Translation Quality Estimation</i>. Proceedings of the 1st Deep Machine Translation Workshop, 2015, Charles University in Prague, Faculty of Mathematics and Physics, Institute of Formal and Applied Linguistics, Praha, Czech Republic, ISBN 978-80-904571-7-1.</p> <p>M. Rios, S. Sharoff. <i>Obtaining SMT dictionaries for related languages</i>. Proceedings of the Eighth Workshop on Building and Using Comparable Corpora (BUCC-2015), Association for Computational Linguistics, Beijing, China.</p> <p>M. Rios and L. Specia. <i>Uow: Multi-task learning gaussian process for semantic textual similarity</i>. Proceedings of the 8th International Workshop on Semantic Evaluation (SemEval 2014), Dublin, Ireland.</p>

M. Rios, L. Specia, A. Gelbukh and R. Mitkov. *Statistical Relational Learning to Recognise Textual Entailment*. Proceedings of the 15th International Conference on Intelligent Text Processing and Computational Linguistics, CICLing 2014, ISSN 0302-9743, Springer, 2014, pp. 330-339.

M. Rios, A. Gelbukh. *Recognizing Textual Entailment with Similarity Metrics*. Research in Computing Science, ISSN 1870-4069, Vol. 58, 2012, pp. 337-347.

M. Rios, A. Gelbukh. *Recognizing Textual Entailment with a Semantic Edit Distance Metric*. 2012 11th Mexican International Conference on Artificial Intelligence (MICAI), IEEE CS Press, 2012, ISBN 978-0-7695-4904-0, DOI 10.1109/MICAI.2012.29, pp. 15-20.

R. Mitkov, R. Evans, C. Orasan, I. Dornescu, M. Rios. *Coreference Resolution: To What Extent Does It Help NLP Applications?*. Proceedings of Text, Speech and Dialogue (TSD 2012). Lecture Notes in Computer Science Volume 7499, 2012, pp. 16-27.

M. Rios, W. Aziz, and L. Specia. *UOW: Semantically Informed Text Similarity*. Proceedings of the 6th International Workshop on Semantic Evaluation (SemEval 2012).

M. Rios, W. Aziz, and L. Specia. *TINE: A Metric to Assess MT Adequacy*. In Sixth Workshop on Statistical Machine Translation (WMT-2011), Edinburgh, UK.

W. Aziz, M. Rios, and L. Specia. *Shallow Semantic Trees for SMT*. In Sixth Workshop on Statistical Machine Translation (WMT-2011), Edinburgh, UK.

W. Aziz, M. Rios, and L. Specia. *Improving Chunk-based Semantic Role Labeling with Lexical Features*. In Recent Advances in Natural Language Processing (RANLP-2011), Hissar, Bulgaria.

M. Rios, A. Gelbukh, and S. Bandyopadhyay. *Recognizing Textual Entailment Using a Machine Learning Approach*. Proceedings of MICAI 2010, 9th Mexican International Conference on Artificial Intelligence.

M. Rios, A. Gelbukh, and S. Bandyopadhyay. *Recognizing Textual Entailment with Statistical Methods*. Proceedings of MCPR 2010, 2nd Mexican Conference on Pattern Recognition. Lecture Notes in Computer Science, Springer.

M. Rios, A. Gelbukh, and S. Bandyopadhyay. *Web-based Variant of the Lesk Approach to Word Sense Disambiguation*. Proceedings of MICAI 2009, 8th Mexican International Conference on Artificial Intelligence, ISBN 978-0-7695-3933-1, IEEE CS Press, 2009, pp. 103-107.

M. Rios, S. Godoy Calderon, and A. Gelbukh. *Word Sense Disambiguation with the KORA- $\Omega$  Algorithm*. Advances in Intelligent and Information Technologies. Special issue of Journal Research in Computing Science, ISSN 1870-4069, N 38, 2008, pp. 263-270.

## RESEARCH EXPERIENCE

October 2014 -  
September 2016      Research Fellow in Machine Translation for related languages  
                                  Advisor: Serge Sharoff,  
                                  University of Leeds.  
 October 2016 -      Research Associate  
 present  
                                  Advisor: Khalil Sima'an,  
                                  University of Amsterdam.

## RELEVANT SKILLS

Languages:      English, Spanish  
 Skills:            Perl, Python, C++, Scala, Java and Linux.

## REFERENCES

**Lucia Specia.** Professor in Language Engineering, Department of Computer Science, University of Sheffield. Email: `l.specia@dc.shef.ac.uk`

**Serge Sharoff.** Associate Professor, Centre for Translation Studies, University of Leeds. Email: `s.sharoff@leeds.ac.uk`

**Khalil Sima'an.** Professor of Computational Linguistics and Vici Laureate at the Institute for Logic, Language and Computation, University of Amsterdam. Email: `k.simaan@uva.nl`