

# Rui WANG

## Interests

- **Textual Inference / Recognizing Textual Entailment (RTE)**
- **Multilingual Parsing**
- **Semantic Relations**
- **Machine Learning**

## Basics

Name: Rui WANG

Birthday: May 6<sup>th</sup>, 1983

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## Education

10.2007 – 11.2010 (submitted) / 02.2011 (defended): Saarland University (UdS), IRTG/PIRE  
PhD Program

PhD degree in **Computational Linguistics**

Supervisor: **Prof. Dr. Hans Uszkoreit**

10.2009 – 02.2010: Johns Hopkins University, Exchange Program

Visiting Student at **Center for Language and Speech Processing (CLSP)**

Supervisor: **Prof. Dr. Chris Callison-Burch**

10.2005 – 09.2007: Saarland University (UdS), International Master Program

Master of Science degree in **Computational Linguistics (GPA: 1.3<sup>1</sup>)**

Supervisor: **PD Dr. Günter Neumann**

10.2001 – 09.2005: Shanghai Jiao Tong University (SJTU)

Bachelor of Science degree in **Computer Science. (Major GPA: 3.7/4.0)**

Supervisor: **Prof. Dr. Tianfang Yao**

## Courses

2005 – 2006: Saarland University (UdS)

Argument Structure (Seminar): 1.7

Computational Linguistics: 1.3

Semantic Theory: 1.7

Approaches to Data Collection and Analysis (Seminar): 1.3

Language Technology I: 1.0

Resources for Computational Linguistics (Seminar): 2.0

Syntactic Theory: 1.0

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<sup>1</sup> In the German grade system, 1.0 is the best score, and 4.0 is the worst.

## **Projects**

03.2011 – Now: German Research Center on Artificial Intelligence (DFKI)

**Researcher** in project **EuroMatrixPlus**: Ongoing.

Project Leader: **Prof. Dr. Hans Uszkoreit**

02.2011: Tsujii's Lab, University of Tokyo

Visit Tsujii's Lab and collaborate on research topics including parsing, Chinese grammar development, and machine translation.

Contact Person: **Prof. Dr. Yusuke Miyao**

10.2010 – 01.2011: German Research Center on Artificial Intelligence (DFKI)

Research Assistant in project **TAKE**: Explored and implemented predicate-argument structure extraction from the semantic representation, Minimal Recursion Semantics.

Project Leader: **Dr. Ulrich Schäfer**

01.2006 – 09.2007: German Research Center on Artificial Intelligence (DFKI)

Research Assistant in project **HyLaP**: Proposed a novel structure-oriented approach to Recognizing Textual Entailment (RTE) and implemented it.

Supervisor: **PD Dr. Günter Neumann**

10.2005 – 12.2005: German Research Center on Artificial Intelligence (DFKI)

Research Assistant in project **QUETAL**: Integrated several Question Answering (QA) systems into a unified architecture and developed a GUI for demonstration.

Supervisor: **PD Dr. Günter Neumann**

08.2005 – 09.2005: Joint Chinese-German Research Lab for Language Technology (JRLLT)

Did research on Chinese named-entity (NE) recognition and evaluated the system.

Supervisor: **Prof. Dr. Tianfang Yao**

07.2004 – 07.2005: Natural Language Processing Research Lab in SJTU

Developed an experimental Chinese QA system based on NE relations.

Supervisor: **Prof. Dr. Tianfang Yao**

## **Languages**

Programming Languages: Java, C++

Natural Languages: Chinese (native), English (fluent), German (intermediate)

## **Honors**

2009 NAACL and ACL-IJCNLP Student Volunteer and Travel Grant

2007-2010 The PIRE PhD Scholarship Program

2007 AAAI Student Scholarship

2005-2006 DAAD Contact Stipends (Kontaktstipendium)

2004 Excellent Student of Shanghai Jiao Tong University (top 3%)

## **Selected Publications**

- Rui Wang and Yi Zhang. 2011. A Multi-Dimensional Classification Approach towards Textual Semantic Relation Recognition. In *Proceedings of 12th International Conference on Intelligent Text Processing and Computational Linguistics (CICLing)*, Tokyo, Japan.
- Rui Wang and Yi Zhang. 2010. MARS: A Specialized RTE System for Parser Evaluation. In *Proceedings of the SemEval-2010 Evaluation Exercises on Semantic Evaluation*, Uppsala, Sweden.
- Rui Wang and Chris Callison-Burch. 2010. Cheap Facts and Counter-Facts. In *Proceedings of NAACL-HLT 2010 Workshop on Amazon Mechanical Turk*, Los Angeles, California, USA.
- Rui Wang and Caroline Sporleder. 2010. Constructing a Textual Semantic Relation Corpus Using a Discourse Treebank. In *Proceedings of the seventh international conference on Language Resources and Evaluation (LREC)*, Valletta, Malta.
- Rui Wang, Yi Zhang, Günter Neumann. 2009. A Joint Syntactic-Semantic Representation for Recognizing Textual Relatedness. In *Text Analysis Conference TAC 2009 WORKSHOP Notebook Papers and Results*, Pages 1-7, National Institute of Standards and Technology (NIST), Gaithersburg, Maryland, USA.
- Rui Wang and Yi Zhang. 2009. Recognizing Textual Relatedness with Predicate-Argument Structures. In *Proceedings of Conference on Empirical Methods in Natural Language Processing (EMNLP 2009)*, Singapore, Singapore.
- Yi Zhang and Rui Wang. 2009. Cross-Domain Dependency Parsing Using a Deep Linguistic Grammar. In *Proceedings of the 47th Annual Meeting of the Association for Computational Linguistics and the 4th International Joint Conference on Natural Language Processing of the Asian Federation of Natural Language Processing (ACL-IJCNLP 2009)*, Singapore, Singapore.
- Rui Wang and Günter Neumann. 2009. An Accuracy-Oriented Divide-and-Conquer Strategy for Recognizing Textual Entailment. In *Proceedings of the Text Analysis Conference (TAC 2008) Workshop - RTE-4 Track*, NIST, Gaithersburg, Maryland, USA.
- Georgiana Dinu and Rui Wang. 2009. Inference Rules and their Application to Recognizing Textual Entailment. In *Proceedings of the 12th Conference of the European Chapter of the Association for Computational Linguistics (EACL-09)*, Athens, Greece.
- Rui Wang and Günter Neumann. 2007. Recognizing Textual Entailment Using a Subsequence Kernel Method. In *Proceedings of the Twenty-Second AAAI Conference on Artificial Intelligence (AAAI-07)*, July 22-26, Vancouver, Canada.