

DR. SHAFQAT MUMTAZ VIRK

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Institute of Information Science, Academia Sinica ◇ 128 Academia Road, Section 2, Nankang, Taipei 115, Taiwan

EDUCATION

Post-Doctorate

July 2013-Onwards

Major in Computational Semantics
Academia Sinica, Taiwan

PhD in Computing Science

April 2009-June 2013

Major in Computational Linguistics
University of Gothenburg, Sweden

Licentiate in Applied Information Technology

April 2009 - January 2012

Major in Computational Linguistics
University of Gotheburg, Sweden

MS in Applied Information Technology

September 2005 - January 2007

Major in Intelligent Systems Design
Chalmers University of Technology, Sweden

M.Sc in Computer Science

September 1999 - August 2001

Gomal University, Pakistan

PUBLICATIONS

1. **Shafqat Mumtaz Virk**, K.V.S Prasad and Aarne Ranta, *Developing an interlingual translation lexicon using WordNets and Grammatical Framework*, The 5th Workshop on South and Southeast Asian Natural Language Processing (WSSANLP) co-located with COLING 2014, 23-29 August, 2014 Dublin, Iceland. – to appear
2. **Shafqat Mumtaz Virk**, Yann-Huei Lee and Lun-Wei Ku, *Sinica Semantic Parser for ESWC'14 Concept-Level Semantic Analysis Challenge*, 11th Extended Semantic Web Conference, 2014 (ESWC'14): The Concept-Level Sentiment Analysis Challenge, Crete, Greece. 25-29 May, 2014 {Got third position }
3. PhD. Thesis: *Computational Linguistics Resources for Indo-Iranian Languages*, ISBN 978-91-628-8706-3, University of Gothenburg, Sweden
4. Olga Caprotti, Aarne Ranta, Krasimir Angelov, Ramona Enache, John Camilleri, Dana Danne Ils, Gre goire De trez, Thomas Hallgren, K.V.S. Prasad, and **Shafqat Virk**, *High-Quality Translation: MOLTO Tools and Applications*, Pages 15-16 Proceeding of The Fourth Swedish Language Technology Conference Lund, October 24-26, 2012
5. K.V.S. Prasad and **Shafqat Mumtaz Virk**, *Computational evidence that Hindi and Urdu share a grammar but not the lexicon*, 3rd Workshop on South and Southeast Asian Natural Language Processing (WSSANLP) collocated with COLING 12, India.
6. **Shafqat Mumtaz Virk** and Elnaz Abolahrar, *An Open Source Persian Computational Grammar* Proceedings of the Eight International Conference on Language Resources and Evaluation (LREC'12) 23-25 May 2012, Istanbul, Turkey
7. **Shafqat Mumtaz Virk**, Muhammad Humayoun, Aarne Ranta, *An Open Source Punjabi Resource Grammar*, Proceedings of the Recent Advances in Natural Language Processing (RANLP), 12-14 September 2011, Hissar Bulgaria.

8. **Shafqat Mumtaz Virk**, Muhammad Humayoun, Aarne Ranta, *An Open Source Urdu Resource Grammar*, Proceedings of the 8th Workshop on Asian Language Resources, pages 153160, Beijing, China, 21-22 August 2010. (c) 2010 Asian Federation for Natural Language Processing
9. **Shafqat Mumtaz virk**, Muhammad, A., Martinez-Enriquez, A.M., *Fault Prediction Using Artificial Neural Network and Fuzzy Logic*, 7th Mexican International Conference on Artificial Intelligence (MICAI 2008), p.p. 149-154 ISBN: 978-0-7695-3441-1, October 27-31,2008 Mexico.
10. **Shafqat Mumtaz virk**, Muhammad, A., Martinez Enriquez A.M., Escalada I.G., *Breakdown Prediction of Different Components of Robotics*, International Symposium on Intelligent Information Technology Applications (IITA 2008), vol.3 p.p. 565-569, ISBN: 978-0-7695-3497-8, 21-22 December 2008, Shanghai China.
11. Licentiate Thesis: *Computational Grammar Resources for Indo-Iranian Languages*, University of Gothenburg, Sweden, ISSN 1651-4769;9
12. M.Sc Thesis: *Vehicle Breakdown Prediction System*, VOLVO IT, Sweden

SYSTEMS, TOOLS AND RESOURCES

Sinica Semantic Role Labeling (SRL) System (Chinese)

<http://doraemon.iis.sinica.edu.tw/srl-webapp/>

Sinica Semantic Role Labeling (SRL) System (English)

http://doraemon.iis.sinica.edu.tw/srl-concept/srl_english.html

Sinica Semantic Parser

<http://doraemon.iis.sinica.edu.tw/srl-concept/>

TECHNICAL STRENGTHS

Computer Languages	Python, Haskell, C/C++, PHP, HTML, Shell Scripting, JAVA
Tools	Grammatical Framework (http://www.grammaticalframework.org/), NLTK
Databases	MySQL

TEACHING EXPERIENCE

Department of Computer Science & Engineering, University of Engineering and Technology, Lahore Pakistan

Assistant Professor

July 2007 - Onwards

Department of Computer Science, GIFT University, Gujranwala Pakistan

Assistant Professor

February 2007 - July 2007

Department of Computer Science, Punjab Group of Colleges, Gujranwala Pakistan

Lecturer

September 2001 - January 2005

Department of Computer Science, Asian College of Commerce and Computer Science, Gujranwala Pakistan

Lecturer

August 2000 - September 2001

DEVELOPMENT EXPERIENCE

Mascom Software House, Gujranwala Pakistan

Developer

October 2003 - October 2004

ADMINISTRATIVE EXPERIENCE

Head of the Computer Science Department

Punjab Groupe of Colleges

January 2003 - January 2005

Controller of Examination

Punjab Groupe of Colleges

September 2003 - January 2005

Member of Course Quality Assurance Committee

University of Engineering and Technology

January 2008 - March 2009

REFERENCES

Prof. Aarne Ranta

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Prof. K.V.S. Prasad

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