Ndapa Nakashole

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Computer Science & Engineering
University of California, San Diego
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APPOINTMENTS

University of California, San Diego
Assistant Professor, Jan 2017 –

Carnegie Mellon University, USA
Postdoctoral Fellow, 2013 – 2016
Advisor: Tom M. Mitchell

Max Planck Institut für Informatik, Saarbrücken, Germany
Doctoral Researcher, 2009 – 2013
Advisor: Gerhard Weikum

Microsoft Research, Redmond, USA
Research Intern, Data Management 04/2011 – 07/2011

IBM Zurich Research, Switzerland
Research Intern, Business Optimization 03/2008 – 08/2008

University of Cape Town, South Africa
Research Assistant, Digital Libraries Group 2007 – 2008

EDUCATION

Max Planck Institute for Informatics
and Saarland University, Germany
Ph.D., Summa cum laude, in Computer Science, 2012
Otto Hahn Medal (Max Planck Society dissertation award)
Advisor: Gerhard Weikum

University of Cape Town, South Africa
M.Sc., with Distinction, in Computer Science, 2009
Masters thesis advisor: Hussein Suleman

B.Sc.(Hons), awarded First Class, in Computer Science, 2006
Undergraduate thesis advisor: Hussein Suleman

B.Sc., Computer Science, 2005

RESEARCH INTERESTS

Natural Language Processing, Machine Learning

RECENT INVITED TALKS

6/2018	Workshop on New Forms of Generalization co-located with NAACL conference, June 2018
7/2017	Women in NLP Workshop, collocated with ACL, Vancouver, Canada
6/2017	U.S. National Academy of Sciences Kavli Frontiers of Science (Korean-American Symposium), Irvine, CA
5/2017	University of California, Irvine
4/2016	Rutgers University
4/2016	University of Texas, Austin
3/2016	Johns Hopkins University
3/2016	New York University
3/2016	University of California, Davis
2/2016	University of California, San Diego
2/2016	Rice University
1/2016	University of Michigan, Ann Arbor
1/2016	Yale University
11/2015	NLP Lunch, Carnegie Mellon University
02/2015	Special Operations Command (SOCOM) visit, Carnegie Mellon University
12/2013	Machine Learning Lunch, Carnegie Mellon University
09/2013	Google Inc., Mountain View, USA
03/2013	Computational Linguistics Lunch Seminar, Saarland University

PROFESSIONAL SERVICE

Program Committee Member
◇ World Wide Web Conference (WWW): 2017
◇ Annual Conference on Neural Information Processing Systems (NIPS): 2016, 2017
◇ AAAI Conference on Artificial Intelligence (AAAI): 2016, 2017
◇ International Joint Conference on Artificial Intelligence (IJCAI): 2016
◇ North American Chapter of the Association for Computational Linguistics (NAACL): 2016
◇ Workshop on Knowledge Extraction(KET at AAAI): 2016
◇ Annual meeting of the Association for Computational Linguistics (ACL): 2015,17
◇ International Workshop on the Web and Databases (WebDB at SIGMOD): 2015
◇ Workshop on Automated Knowledge Base Construction (AKBC at NIPS): 2014
◇ Workshop on Automated Knowledge Base Construction (AKBC at NAACL): 2016
◇ International Conference on Information and Knowledge Management (CIKM): 2014, 2015
◇ International Conference on Computational Linguistics (COLING): 2014 ,2017
◇ Empirical Methods in Natural Language Processing (EMNLP): 2013, 2017

Journal Reviewer
◇ Transactions of the Association for Computational Linguistics (TACL): 2015
◇ Elsevier Journal of Web Semantics: 2013, 2015
◇ Elsevier Journal of Information Systems (Information Systems): 2015

UNIVERSITY AND MISc. SERVICE

Committees
◇ PhD Admissions Committee, CSE, University of California, San Diego	2017
◇ Msc thesis committee, Thomas Andy Keller, University of California, San Diego	Spring 2017
◇ PhD thesis committee, Qian Yang, Tsinghua University	Spring 2017

Misc.
◇ Judge, Undergraduate Women Hackathon UCSD	Spring 2017
◇ Coordinator, CMU Machine Learning/Google Distinguished Lecture Series: 2014-2016	

PUBLICATIONS

Journal Articles

1. Mitchell, T. M., W. W. Cohen, E. R. H. Jr., P. P. Talukdar, B. Yang, J. Betteridge, A. Carlson, B. D. Mishra, M. Gardner, B. Kisiel, J. Krishnamurthy, N. Lao, K. Mazaitis, T. Mohamed, N. Nakashole, E. A. Platanios, A. Ritter, M. Samadi, B. Settles, R. C. Wang, D. Wijaya, A. Gupta, X. Chen, A. Saparov, M. Greaves, and J. Welling (2018). Never-ending learning. *Commun. ACM* **61**(5), 103–115.

2. Nakashole, N., G. Weikum, and F. Suchanek (2013). Discovering Semantic Relations from the Web and Organizing them with PATTY. *ACM SIGMOD Record* **42**(2), 29–34.

3. Nakashole, N., G. Weikum, and F. Suchanek (2012). Discovering and exploring relations on the web. *Proceedings of the VLDB Endowment* **5**(12), 1982–1985.

4. Weikum, G., J. Hoffart, N. Nakashole, M. Spaniol, F. M. Suchanek, and M. A. Yosef (2012). Big Data Methods for Computational Linguistics. *IEEE Data Eng. Bull.* **35**(3), 46–64.

Papers in Conference Proceedings

1. Nakashole, N. and R. Flauger (2018). Characterizing Departures from Linearity in Word Translation. In: *Proceedings of the 56th Annual Meeting of the Association for Computational Linguistics. (ACL).*

2. Kumar, A., B. Raj, and N. Nakashole (2017). Discovering sound concepts and acoustic relations in text. In: *IEEE International Conference on Acoustics, Speech and Signal Processing, (ICASSP)*, pp.631–635.

3. Nakashole, N. and R. Flauger (2017). Knowledge Distillation for Bilingual Dictionary Induction. In: *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing (EMNLP).*

4. Mitchell, T. M., W. W. Cohen, E. R. H. Jr., P. P. Talukdar, J. Betteridge, A. Carlson, B. D. Mishra, M. Gardner, B. Kisiel, J. Krishnamurthy, N. Lao, K. Mazaitis, T. Mohamed, N. Nakashole, E. A. Platanios, A. Ritter, M. Samadi, B. Settles, R. C. Wang, D. T. Wijaya, A. Gupta, X. Chen, A. Saparov, M. Greaves, and J. Welling (2015). Never-Ending Learning. In: *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence, (AAAI)*, pp.2302–2310.

5. Nakashole, N. (2015). Composite Events: A Fact-based Representation. In: *Proceedings of the 2015 iConference.*

6. Nakashole, N. and T. M. Mitchell (2015). A Knowledge-Intensive Model for Prepositional Phrase Attachment. In: *Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics, (ACL)*, pp.365–375.

7. Wijaya, D. T., N. Nakashole, and T. M. Mitchell (2015). Learning State Changing Verbs from Wikipedia Revision History. In: *Proceedings of the 2015 Conference on Empirical Methods in Natural Language Processing (EMNLP).*

8. Nakashole, N. and T. M. Mitchell (2014). Language-Aware Truth Assessment of Fact Candidates. In: *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics (ACL)*, pp.1009–1019.

9. Wijaya, D. T., N. Nakashole, and T. M. Mitchell (2014). CTPs: Contextual Temporal Profiles for Time Scoping Facts using State Change Detection. In: *Proceedings of the 2014 Conference on Empirical Methods in Natural Language Processing (EMNLP).*

10. Nakashole, N., T. Tylenda, and G. Weikum (2013). Fine-grained Semantic Typing of Emerging Entities. In: *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL)*, pp.1488–1497.

11. Nakashole, N., G. Weikum, and F. Suchanek (2012). PATTY: a taxonomy of relational patterns with semantic types. In: *Proceedings of the 2012 Joint Conference on Empirical Methods in Natu-*

ral Language Processing and Computational Natural Language Learning (EMNLP). **Best Paper Award Runner Up**, pp.1135–1145.

12. Nakashole, N., M. Theobald, and G. Weikum (2011). Scalable Knowledge Harvesting with High Precision and High Recall. In: *Proceedings of the Fourth ACM International Conference on Web Search and Data Mining (WSDM)*, pp.227–236.

13. Nakashole, N. and H. Suleman (2009). A Hybrid Distributed Architecture for Indexing. In: *Research and Advanced Technology for Digital Libraries, 13th European Conference (ECDL)*, pp.250–260.

14. Nakashole, N. and H. Suleman (2008). A Scavenger Grid for Intranet Indexing. In: *Digital Libraries: Universal and Ubiquitous Access to Information, 11th International Conference on Asian Digital Libraries (ICADL)*, pp.398–399.

15. Nakashole, N., H. Suleman, and C. Pedzai (2007). Dynamic role allocation for small search engine clusters. In: *Proceedings of the 2007 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries (SAICSIT)*, pp.91–96.

Refereed Workshop Papers

1. Nakashole, N. and T. Mitchell (2014). Micro Reading with Priors: Towards Second Generation Machine Readers. In: *Proceedings of the Workshop on Automatic Knowledge Base Construction (AKBC at NIPS)*.

2. Wijaya, D., N. Nakashole, and T. Mitchell (2014). Mining and Organizing a Resource of State-changing Verbs. In: *Proceedings of the Workshop on Automatic Knowledge Base Construction (AKBC at NIPS)*.

3. Nakashole, N., M. Sozio, F. M. Suchanek, and M. Theobald (2012). Query-Time Reasoning in Uncertain RDF Knowledge Bases with Soft and Hard Rules. In: *Proceedings of the Second International Workshop on Searching and Integrating New Web Data Sources (VLDS at VLDB)*, pp.15–20.

4. Nakashole, N. and G. Weikum (2012). Real-time population of knowledge bases: opportunities and challenges. In: *Proceedings of the Joint Workshop on Automatic Knowledge Base Construction and Web-scale Knowledge Extraction (AKBC-WEKEX) at NAACL*. **Best Paper Award**.

5. Nakashole, N., M. Theobald, and G. Weikum (2010). Find your advisor: robust knowledge gathering from the web. In: *Procceedings of the 13th International Workshop on the Web and Databases (WebDB at SIGMOD)*.

HONORS AND AWARDS

2014	Otto Hahn Medal (awarded for PhD dissertation by the Max Planck Society)
2012	Best Paper Award Runner Up at the EMNLP 2012 Conference
2012	Best Paper Award at the AKBC-WEKEX 2012 Workshop
2003-2005	Faculty of Science Merit Entrance Scholarship
2002,2003,2005	Department of Computer Science Merit List (awarded to top 5% of class)
2002,2003,2005	Faculty of Science Dean's Merit List
2002, 2003	Class Medals for Computer Science Courses (awarded to top grade in the class)

STUDENT ADVISING & MENTORING

Mridul Garg (Msc)	University of California, San Diego	2017
Gopal Rander (Msc)	University of California, San Diego	2017
Dustin Wright (Msc)	University of California, San Diego	2017
Steven Zheng (Bsc)	University of California, San Diego	2017
Aditi Mavalankar (Msc)	University of California, San Diego	2017
Leon Cheung (Bsc)	University of California, San Diego	2017
Tue Vo (Bsc)	Carnegie Mellon University	2015

TEACHING

CSE 291: Statistical NLP, University of California, San Diego   Spring 2018
CSE 190: Statistical NLP, University of California, San Diego   Winter 2018
CSE 259 AI Seminar, University of California, San Diego   Fall 2017
CSE 291: Statistical NLP, University of California, San Diego   Spring 2017
Ubiquitous Smart Agents(Guest Instructor), Carnegie Mellon University   Fall 2015

REFERENCES

Available upon request