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Personal Data: Josef van Genabith

Date of Birth:	26.06.1959
Nationality:	German
Address:	German Research Center for Artificial Intelligence DFKI
	Stuhlsatzenhausweg 3
	Campus D3_2
	D-66123 Saarbrücken
	Germany
Contact:	Tel: 0049-(0)681-857755282
	Mobile: 0049-(0)171-8663526
	Mail: josef.van_genabith@dfki.de

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Brief Biography:

2014-now: Scientific Director Multilingual and Language Technologies, German Research Center for Artificial Intelligence (DFKI)

2014-now: Full Professor and Chair Translation-Oriented Language Technologies, University of Saarland, Germany

2013-2014: Deputy Director of the Centre for Next Generation Localisation (CNGL), Ireland

2007-2013: Founding Director of the Centre for Next Generation Localisation (CNGL), Ireland

2001-2008: Director of the National Centre for Language Technology (NCLT), Ireland

1997-2001: Chair of Programme Board BSc in Applied Computational Linguistics (ACL – DCU), Ireland

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I am currently the Scientific Director of Multilingual Technologies at the German Research Centre for Artificial Intelligence (DFKI) and Full Professor and Chair of Translation-Oriented Language Technologies at the University of Saarland, Germany.

I graduated with the 1st Staatsexamen in Electronic Engineering (Information Technology) and English (Language, Linguistics and Literature) at RWTH Aachen, Germany in **1988**, obtained a Ph.D. in Linguistics **1993** from the University of Essex (U.K.) and worked as a

researcher at the University of Essex **1991-1992** (Prof. Louisa Sadler) and the Institut für Maschinelle Sprachverarbeitung IMS, Universität Stuttgart (Germany) **1992-1996** (Prof. Hans Kamp).

I joined the School of Computing at DCU as a Lecturer in **1996**, became Senior Lecturer in **1999**, and Associate Professor in **2002**.

I chaired the Programme Board for the B.Sc. in Applied Computational Linguistics (DCU) **1997–2001**.

In **2001** I took on the Directorship of the National Centre for Language Technology (NCLT). I developed and led the NCLT to an internationally recognised research centre in language technologies, with to date more than 30 PhD students, 20 postdoctoral researchers, and a rich research project portfolio, entirely based on external grant income, totalling to over €5 million (and excluding the CNGL 2007 CSET award) since 2001.

I have been Principal Investigator for a Science Foundation Ireland (SFI)- and two Enterprise Ireland (EI)-funded Basic Research grants and was awarded an SFI Principal Investigatorship in **2004**.

In **2003** I became a Visiting Researcher at IBM's Dublin Centre for Advanced Studies (CAS) and an IBM Faculty Fellow in **2004**.

In **2006** I was awarded an IRCSET planning grant to lead a consortium of six Irish universities (DCU, UCD, TCD, DIT, NUIM, UL) and two industrial partners (IBM and Microsoft) to draft a Graduate School in Speech and Language Technology.

In **2007** I was awarded a € 16.8M Science Foundation Ireland CSET grant (2007-2012) as Founding Director for the Centre for Next Generation Localisation (CNGL), an Academia-Industry partnership led by DCU with four University partners (DCU, TCD, UL, and UCD) and ten Industry partners (IBM, Microsoft, Symantec, Dai Nippon Printing, SDL, VistaTEC, Alchemy, Applied Language Solutions, Welocalize, and SpeechStorm). I have been building a strong research eco-system at DCU around the NCLT and across CNGL, concentrating in particular on EU FP7 funding. I have led CNGL and the research eco-system build around CNGL to a total of 150 people and a research income of over €40M (including Industry contributions) to date.

In **2013**, the CNGL-II application (2013-2016) was awarded a total of € 10.5M with € 3.7M direct funding for DCU. I handed the CNGL Directorship over to Prof. Vincent Wade and continued to work for one year as Deputy Director for CNGL-II and the lead DCU PI.

In **2014** I accepted the post of Scientific Director for Multilingual Technologies at the German Research Center for Artificial Intelligence (DFKI), in Saarbrücken, Germany and the Chair of Translation-Oriented Language Technologies at the University of Saarland, Germany.

Since **1996**, I supervised 23 Ph.D. and 35 M.Sc. and M.A. students to completion. I am currently supervising 4 PhD and 1 MSc I am (joint) author of 220+ peer-reviewed international research publications.

Research Interests:

I have been leading large scale research efforts (DFKI, CNGL, NCLT) on the development and integration state-of-the-art language and digital content management technologies in next generation multi-lingual applications. I am working on machine translation, automatic treebank-based, deep grammar acquisition, statistical parsing and generation, statistical error detection, finite state morphology, computer-assisted language learning and formal semantics.

To date I have been leading DFKI's, the University of Saarland's and DCU's (NCLT and CNGL) participation in ten European Commission-funded projects on Machine Translation (QT21, EuroMatrixPlus, META-NET, Panacea, CoSyne, QTLaunchPad, EXPERT, LT-Web, MLI, Falcon). I am the co-ordinator of the ELRC European Commission service contract. I am the University of Saarland PI on the Marie Curie EXPERT PhD Initial Training Network. I led an SFI-funded ("GramLab" Principal Investigator award 2004-9) research programme on treebank-based automatic acquisition of multilingual, wide-coverage, robust, deep, probabilistic, Lexical-Functional Grammar (LFG) resources for statistical parsing, generation and automatic acquisition of transfer rules for MT.

Performance Indicators:

total refereed publications	>220
journal publications	33
book chapters	13
total refereed conference papers	188
citations (Google Scholar)	5680
h-index (Google Scholar)	38
patents	1
research funding	~ €30 million
PhDs graduated	23
MSc-MA-graduated	35
current team size	20

Career Highlights:

- **2014** Joint General Chair COLING 2014 Dublin
- **2014** DFKI, Germany, Multilingual Technologies Director
- **2014** University of Saarland, Germany, Full Professor and Chair of Translation-Oriented Language Technologies
- **2013** CNGL-II (2013-2016) Deputy Director and DCU Lead PI CNGL-II
- **2012** Appointed General Chair COLING 2014 (Dublin, Ireland)
- **2012** President's Research Award 2012, Dublin City University, Ireland
- **2012** Appointed Advisory Board Member Centre for Talent Youth Ireland (CTYI)

- **2012** US Patent Granted: US 2012/0016657 A1 Method of and System for Translation, Yifan He, Yanjun Ma, Andy Way and Josef van Genabith, DCU
- **2011** Invited Scientist to Google's EMEA Faculty Summit 2011 (Natural Language Processing), Google Research Centre Zurich, Switzerland
- **2010** Appointed External Evaluator of the Department of Computational Linguistics, University of Zurich, Switzerland
- **2010** Appointed Advisory Board Member LINDAT-CLARIN, Charles University of Prague, Czech Academy of Sciences, Ministry of Education, Youth and Sports, Czech Republic
- **2010** ACL 2010 tutorial on *Wide Coverage NP with Linguistically Expressive Grammars*, Josef van Genabith, Julia Hockenmaier, and Yusuke Miyao, Uppsala, Sweden
- **2010** Hosting the *4th Machine Translation Marathon*, EuroMatrixPlus and CNGL/NCLT at DCU
- **2009** Appointed Advisory Board Member, Hindi-Urdu Treebank Project, National Science Foundation (NSF), USA
- **2009** Elected member of International Lexical Functional Grammar Association (ILFGA) Executive Committee
- **2007** Elected to Advisory Board of the European Association of Computational Linguistics, (EACL)
- **2007**-**2013** Director CNGL, Ireland
- **2007** ACL European Sponsorship Chairs (jointly with Philipp Koehn, Univ. of Edinburgh)
- **2007** ACL 2007, Prague, Area Chair for *Syntax, Parsing and Formalisms*
- **2006** European Summer School for Language, Logic and Information (ESSLLI 2006), Malaga, Spain, Advanced Course on "*Treebank-Based Acquisition of LFG, HPSG and CCG Resources*", J. van Genabith (DCU), Yusuke Miyao (Tokyo Univ.) and Julia Hockenmaier (University of Pennsylvania)
- **2005**-**now** Faculty Fellow IBM Center for Advanced Studies CAS, Ireland
- **2004**-**2005** Visiting Scientist IBM Center for Advanced Studies CAS. Ireland
- **2003** European Summer School for Language, Logic and Information (ESSLLI 2003), Vienna, Austria, Advanced Course on "*Discourse Representation Theory: an Updated Survey*", A. Bende-Farkas (Univ. Stuttgart), H. Kamp (Univ. Stuttgart) and J. van Genabith (DCU)
- **2001**-**2008** Director National Centre for Language Technology (NCLT)
- **2001** European Summer School for Language, Logic and Information (ESSLLI 2001), Birmingham (U.K.), Introductory Course on "*Linear-Logic for Linguists*", D. Crouch (Xerox PARC), J. van Genabith (DCU)
- **1997**-**2001** Chair of Programme Board B.Sc. in Applied Computational Linguistics (ACL), School of Computing, DCU

(Selected) Research, Research Support and Commercialisation Grants:

- **2019-2023** EU **European Master Programme in Language and Communication Technologies**, Erasmus +, Erasmus Mundus Joint Master Degrees. PI J. van Genabith €4,274,000

- **2018-2022** *DFG SFB 1102* **Information Density and Linguistic Encoding, Project B6: As Neural Feature and Representation Learning for Information Density Based Translationese Classification,** PIs: Raphael Rubino and Josef van Genabith, Saarland University

- **2017-2020** *DFG (GE 2819/2-1)* **Multi-modale und Sprachtechnologie Basierte Unterstützung für das Post-Editieren von Maschineller Übersetzung**, PI J. van Genabith, €302,980

- **2016-2019** *EU SMART 2015/1091*, **LOT2,** Coordinator J. van Genabith, DFKI, €2,773,151.28

- **2016-2019** *Leibniz Gemeinschaft,* **CLUBS Overcoming language barriers - Cross-lingual search of bibliographic metadata,** local Saarland University PI J. van Genabith, €228,882

- **2015-2018** *EU H2020 RIA*, **QT21 Quality Translation**, Coordinator J. van Genabith, DFKI, €3,997,428

- **2015-2018** *DFG SFB 1102* **Information Density and Linguistic Encoding, Project B6: Aspects of Information Density in Human and Machine Translation,** PI Josef van Genabith, Saarland University, €258,700

- **2015-2017** *EU SMART 2014*, **ELRC European Language Resource Coordination,** Coordinator J. van Genabith, DFKI, €1,778,190

- **2013-2016** *SFI* **Centre for Next Generation Localisation (CNGL-II)** Science Foundation Ireland CSET Award (2013-2016), Deputy Director and DCU Lead PI J. van Genabith, total DCU Budget: €3,704,199, total Research Budget for van Genabith €845,123

- **2013-2016** *EU FP7-People-2012-ITN Marie Currie Actions*, **EXPERT**, €481,000, DCU and Saarland University PI J. van Genabith

- **2013-2015** *EU FP7-SA*, **MLI** Multilingual Data and Services Infrastructure, €299,700, DCU PI J. van Genabith

- **2013-2015** *EU-FP7 STREP*, **Falcon,** €323,249, DCU PI J. van Genabith

- **2013-2014** *SFI TIDA Award*, **Iterative MT Retraining**, €99,218, PI J. van Genabith, A.Toral

- **2012-2014** *EU FP7, SA*, **QTLaunchPad**, €477,960, DCU PI J. van Genabith

- **2012-2014** *EU FP7, SA*, **LT-Web**, €87,290, DCU PIs Declan Groves and J. van Genabith

- **2012-2013** *SFI TIDA Award*, **Machine Translation and Translation Memory Integration**, €98,913, PI J. van Genabith, Collaborators: Fred Hollowood (Symantec), Phil Richie (VistaTEC), David Clarke (Welocalize)

- **2011-2013** *SFI and EI* **Targeted CSET Commercialisation Initiative**, € 249,775 PIs J. van Genabith and Richard Stokes

- **2010-2011** *SFI and EI* **Targeted CSET Commercialisation Initiative**, € 118,052 PIs J. van Genabith and Richard Stokes

- **2010-2013** *EU FP7* **T4ME Network of Excellence** (2010-2013), € 379,020, DCU PI J. van Genabith, Founding member DCU

- **2010-2013** *EU FP7* **Panacea** (2010-2013), €303,186, DCU PIs J. van Genabith and A. Way

- **2010-2013** *EU FP7* **CoSyne** (2010-2013), € 299,220, DCU PIs J. van Genabith and A.Way

- **2009-2012** *EU FP7* **EuroMatrixPlus** (2009-2012), € 273,210, DCU PIs J. van Genabith and A. Way

- **2007-2012** *SFI* **Centre for Next Generation Localisation (CNGL)** Science Foundation Ireland CSET Award (2007-2012), € 16,843,330, PI and Director J. van Genabith

- **2006-2007** *IRCSET* **Planning Grant for Irish Speech and Language Technology Ph.D. Graduate School**, € 40,070, PI J. van Genabith
- **2004-2008** *SFI* **Principal Investigator Research Fellowship**, *Science Foundation Ireland* (SFI), **GramLab**, €839,032, PI: J. van Genabith
- **2004-2007** *SFI Basic Research Grant*, *Science Foundation Ireland* (SFI), **ProGen and Bitexts**, €274,971, PIs: J. van Genabith and A. Way
- **2003-2006** *EI Basic Research Grant, Enterprise Ireland (EI)*, **BoostTrans**, €145,200, PI: J. van Genabith, Collaborator: A.Way
- **2002-2005** *IRCSET Basic Research Grant, Irish Research Council for Science, Engineering and Technology (IRCSET)*, **Integrating Techniques from Computational Linguistics into Computer-Assisted Language Learning**, € 140,582, PI: M. Ward, Collaborators: A. Way and J. van Genabith
- **2001-2004** *EI Basic Research Grant, Enterprise Ireland (EI)*, **Automatic Annotation of the Penn-II Treebank with Feature-Structure Information**, €128,370, PI: J. van Genabith, Collaborator: A. Way

Teaching:

University of Saarland, Germany (2014-now)

- Research Seminar in Machine Translation (Habil, Phd and MSc)
- Introduction to Machine Translation (MSc)
- Spezielle Fragestellungen der Maschinellen und Maschinengestützten Übersetzung (Special Questions in Machine and Machine-Aided Translation, MA)
- Modern Translation Tools and Language for Specific Purposes (BA)

Dublin City University, Ireland (1996-2014): School of Computing

I served as Chair (Course Director) of the Programme Board for the B.Sc. in Applied Computational Linguistics (ACL) at DCU 1997–2001. The B.Sc. in Applied Computational Linguistics was a joint and interdisciplinary degree programme between the School of Computing and the School of Applied Languages and Intercultural Studies, involving one third computer science, one third computational linguistics and one third language and linguistics (including a foreign language: one of German, Spanish or French).

- Statistics (BSc Computer Science 2nd year)
- Logic (BSc Applied Computational Linguistics 2nd year)
- Formal Languages and Computability (BSc Applied Computational Linguistics 2nd year)
- Applied Computational Linguistics I (BSc Applied Computational Linguistics 2nd year)
- Applied Computational Linguistics II (BSc Applied Computational Linguistics 2nd year)
- Introduction to Formal Semantics (BSc Applied Computational Linguistics 2nd year)
- Machine Translation (BSc Applied Computational Linguistics 4th year)
- Computational Semantics (BSc Applied Computational Linguistics 4th year)

University of Stuttgart, Germany (1993-1996): Institut für Maschinelle Sprachverarbeitung (IMS)

- Einführung in die komputationelle Semantik (Diplomstudiengang = MSc)
- Logik I (Diplomstudiengang = MSc)
- Einführung in die Computerlinguistik I (Diplomstudiengang = MSc)
- Einführung in die Computerlinguistik II (Diplomstudiengang = MSc)

University of Essex, U.K. (1990-1992): Department of Language and Linguistics

- Prolog for Natural Language Processing (Undergraduate BA and Master MA level)
- Introduction to Computational Linguistics I (Undergraduate BA and Master MA level)
- Introduction to Computational Linguistics II (Undergraduate BA and Master MA level)

Journal Publications:

1. Nico Herbig, Santanu Pal, Mihela Vela, Antonio Krüger and Josef van Genabith. 2019. Multi-modal Indicators for Estimating Perceived Cognitive Load in Post-editing of Machine Translation. In Journal of *Machine Translation*. 2019. *Machine Translation* (2019) 33:91–115 https://doi.org/10.1007/s10590-019-09227-8 Springer Nature BV.
2. Alina Karakanta, Jon Dehdari and Josef van Genabith. 2018. Neural machine translation for low-resource languages without parallel corpora. In Journal of *Machine Translation*. 2018. 32:167–189. Springer.
3. Cristina España-Bonet, Ádám Csaba Varga, Alberto Barrón-Cedeño and Josef van Genabith. An Empirical Analysis of NMT-Derived Interlingual Embeddings and their Use in Parallel Sentence Identification. *IEEE Journal of Selected Topics in Signal Processing*, volume 11, number 8, pages 1340-1350, IEEE, December 2017.
4. Rohit Gupta, Constantin Orăsan, Marcos Zampieri, Mihaela Vela, Josef van Genabith and Ruslan Mitkov. 2016. Improving Translation Memory Matching and Retrieval Using Paraphrases. In Journal of *Machine Translation*. Springer. November 2016
5. Artuur Leeuwenberg, Mihaela Vela, Jon Dehdari, and Josef van Genabith. 2016. A Minimally Supervised Approach for Synonym Extraction with Word Embeddings. *The Prague Bulletin of Mathematical Linguistics*, 105:111–142.
6. Georg Rehm, Hans Uszkoreit, Sophia Ananiadou, Núria Bel, Audronė Bielevičienė, Lars Borin, António Branco, Gerhard Budin, Nicoletta Calzolari, Walter Daelemans, Radovan Garabík, Marko Grobelnik, Carmen García-Mateo, Josef van Genabith, Jan Hajič, Inma Hernáez, John Judge, Svetla Koeva, Simon Krek, Cvetana Krstev, Krister Lindén, Bernardo Magnini, Joseph Mariani, John McNaught, Maite Melero, Monica Monachini, Asunción Moreno, Jan Odjik, Maciej Ogrodniczuk, Piotr Pęzik, Stelios Piperidis, Adam Przepiórkowski, Eiríkur Rögnvaldsson, Mike Rosner, Bolette Sandford Pedersen, Inguna

Skadiņa, Koenraad De Smedt, Marko Tadić, Paul Thompson, Dan Tufiş, Tamás Váradi, Andrejs Vasiļjevs, Kadri Vider, Jolanta Zabarskaite. 2016. The Strategic Impact of META-NET on the Regional, National and International Level. In: *Language Resources and Evaluation*, 10.1007/s10579-015-9333-4, Volume 50, Number 2. pp. 351–374.

7. Mohammed Attia, Pavel Pecina, Younes Sahmi, Khaleed Shaalan and Josef van Genabith. 2016. Arabic Spelling Error Detection and Correction. *Natural Language Engineering*. Volume 22. Issue 5. Cambridge University Press pp. 751-773. DOI: https://doi.org/10.1017/S1351324915000030 Published online: 18 March 2015

8. Antonio Toral, Pavel Pecina, Longyue Wang and Josef van Genabith. 2015. Linguistically-augmented Perplexity-based Data Selection for Language Models. *Computer Speech and Language.* Elsevier, Vol 32, Issue 1, July 2015, pp.11-26, Elsevier

9. Pratyush Banerjee, Raphaël Rubino, Johann Roturier and Josef van Genabith. 2014. Quality Estimation-guided Supplementary Data Selection for Domain Adaptation of Statistical Machine Translation, *Machine Translation*, Springer, in Press ((http://link.springer.com/article/10.1007%2Fs10590-014-9165-9)

10. Pavel Pecina, Antonio Toral, Vassilis Papavassiliou, Prokopis Prokopidis, Alĕs Tamchyna, Andy Way and Josef van Genabith. 2015. Domain adaptation of statistical machine translation with domain-focused web crawling. *Language Resources and Evaluation.* Volume 49, Issue 1 (2015), Page 147-193 Springer

11. Aljoscha Burchardt, Arle Lommel, Georg Rehm, Felix Sasaki, Josef van Genabith, and Hans Uszkoreit. Language Technology Drives Quality Translation. *MultiLingual*, (143):33-39, April 2014. Issue April/May.

12. Ergun Bicici, Declan Groves and Josef van Genabith. 2013. Predicting sentence translation quality using extrinsic and language independent features. *Machine Translation*, 27:171-192.

13. Mohammed Attia, Pavel Pecina, Antonio Toral, Josef van Genabith. 2013. A Corpus-Based Finite-State Morphological Toolkit for Contemporary Arabic. *Journal of Logic and Computation*. Oxford University Press. UK. doi: 10.1093/logcom/exs070

14. Christian Federmann, Maite Melero, Pavel Pecina, and Josef van Genabith, 2012, Towards Optimal Choice Selection for Improved Hybrid Machine Translation, In *The Prague Bulletin of Mathematical Linguistics,97,* ISSN 0032-655, pages 5-22

15. Yuqing Guo, Haifeng Wang and Josef van Genabith, 2011, Dependency-based n-gram models for general purpose sentence realization. *Natural Language Engineering* **17** (4): 455–483. Cambridge University Press, 2011

16. Yuqing Guo, Haifeng Wang and Josef van Genabith, 2010, A Linguistically Inspired Statistical Model for Chinese Punctuation Generation. In *ACM Transactions on Asian Language Information Processing*, 9(2): Article 6, 2010.

17. Joachim Wagner, Jennifer Foster and Josef van Genabith. 2009. Judging Grammaticality: Experiments in Sentence Classification. In *CALICO Journal, Vol. 26, No. 3, May 2009,* ISSN 0742-7778, pp. 496-473

18. Yvette Graham and Josef van Genabith. 2009. An Open Source Rule Induction Tool for Transfer-Based SMT. In *The Prague Bulletin of Mathematical Linguistics, Special Issue: Open Source Tools for Machine Translation, 91,* 8 ISSN 0032-655, pages 37-46.

19. Karolina Owczarzak, Josef van Genabith, and Andy Way. 2008. Evaluating Machine Translation with LFG Dependencies. In *Machine Translation, Volume 21*, Issue 2, pages 95-119. ISSN:0922-6567

20. Aoife Cahill, Michael Burke, Ruth O'Donovan, Stefan Riezler, Josef van Genabith and Andy Way. 2008. *Wide-Coverage Deep Statistical Parsing using Automatic Dependency Structure Annotation,* in Computational Linguistics, Vol. 34, No. 1, pages 81-124

21. Aoife Cahill, Michael Burke, Martin Forst, Ruth O'Donovan, Christian Rohrer, Josef van Genabith, Andy Way. 2005. Treebank-Based Acquisition of Multilingual Unification Grammar Resources. *Journal of Research on Language and Computation*, Volume 3, Number 2, Springer, pp247-279.

22. Elaine Ui Dhonnchadha, Caoilfhionn Nic Phaiden and Josef van Genabith. 2005. Design, Implementation and Evaluation of an Inflectional Morphology Finite-State Transducer for Irish. *Machine Translation*, Volume 18, Number 3, Springer, pp173-193.

23. John Kelleher, Fintan Costello and Josef van Genabith. 2005. Dynamically structuring, updating and interrelating representations of visual and linguistic discourse context. *Artificial Intelligence*, Vol.167, Elsevier, pp62-102.

24. Ruth O'Donovan, Michael Burke, Aoife Cahill, Josef van Genabith and Andy Way. 2005. Large-Scale Induction and Evaluation of Lexical Resources from the Penn-II and Penn-III Treebanks. *Computational Linguistics*, Volume 31, 3, MIT Press, pp328-365.

25. John Kelleher and Josef van Genabith. 2004. Visual Salience and Reference Resolution in Simulated 3-D Environments. *Artificial Intelligence Review*, Volume 21, Issue 3, Special Issue, (eds.) Padraig Cunningham, Kluwer Academic Press, pp253-268.

26. Michael Burke, Aoife Cahill, Mairead McCarthy, Ruth O'Donovan, Josef van Genabith, Andy Way. 2004. Evaluating Automatic LFG F-Structure Annotation for the Penn-II Treebank. *Journal of Research on Language and Computation*; Volume 2, No. 4, pp523-547.

27. Monica Ward and Josef van Genabith. 2003. CALL for Endangered Languages: Challenges and Rewards. *Journal of Computer Assisted Language Learning*, Volume 16, Numbers 2-3, Special Issue on: CALL Professionals and the Future of CALL Research; (ed.) Mike Levy, pp223-258.

28. Josef van Genabith. 2001. Metaphors, Logic and Type Theory. *Metaphor And Symbol*, Vol. 16, No. 1&2, 2001, Lawrence Erlbaum Publishers, New Jersey, ISSN 1092-6488, pp43-57.

29. Josef van Genabith and Stefan Momma. 1994. The Alep-0 Formalism. *Studies In Machine Translation And Natural Language Processing*, Volume 4, special issue on Grammatical Formalisms: Issues in Migration (eds.) Stella Markantonatou and Louisa Sadler, CEC, Bruxelles, Luxembourg, 1994, ISSN 1017-6568, pp61-70.

30. Josef van Genabith and Paul Schmidt. 1994. Reuse of ET Resources. *Studies In Machine Translation And Natural Language Processing*, Volume 4, special issue on Grammatical Formalisms: Issues in Migration (eds.) Stella Markantonatou and Louisa Sadler, CEC, Bruxelles, Luxembourg, 1994, ISSN 1017-6568, pp117-138.

31. Josef van Genabith. 1994. Template-Driven Phrase Structure Grammar. *Studies In Machine Translation And Natural Language Processing*, Volume 4, special issue on Grammatical Formalisms: Issues in Migration, (eds.) Stella Markantonatou and Louisa Sadler, CEC, Bruxelles, Luxembourg, 1994, ISSN 1017-6568, pp211-214.

32. Josef van Genabith, Stella Markantonatou, Louisa Sadler and Marc Verhagen. 1994. English HPSG in ALEP. *Studies In Machine Translation And Natural Language Processing*, Volume 4, special issue on Grammatical Formalisms: Issues in Migration, (eds.) Stella Markantonatou and Louisa Sadler, CEC, Bruxelles, Luxembourg, 1994, ISSN 1017-6568, pp91-116.

33. Josef van Genabith and Louisa Sadler. 1994. Reflections on Bitstrings, Generalisation and Negation. *Studies In Machine Translation And Natural Language Processing*, Volume 4, special issue on Grammatical Formalisms: Issues in Migration, (eds.) Stella Markantonatou and Louisa Sadler, CEC, Bruxelles, Luxembourg, 1994, ISSN 1017-6568, pp201-210.

Book Chapters (Peer-Reviewed):

1. Santanu Pal, Partha Pakray, Alexander Gelbukh, Josef van Genabith. 2015. Mining Parallel Resources for Machine Translation from Comparable Corpora. Chapter Computational Linguistics and Intelligent Text Processing. Volume 9041 of the series Lecture Notes in Computer Science. pp 534-544.

2. Hans Kamp, Josef van Genabith and Uwe Reyle, Discourse Representation Theory. 2011. In: Dov Gabbay and Franz Guenthner (Eds.), *Handbook of Philosophical Logic*, Volume 15, Second Edition, Springer, Netherlands, ISBN 978-94-007-0484-8, pages 125 -394, 2011.

3. Mohammed Attia, Pavel Pecina, Lamia Tounsi, Antonio Toral, Josef van Genabith. 2011. A Lexical Database for Modern Standard Arabic Interoperable with a Finite State Morphological Transducer. In: Cerstin Mahlow and Michael Piotrowski (Eds.) *Systems and Frameworks for Computational Morphology*. Second International Workshop, SFCM 2011, Zurich, Switzerland, August 26, 2011, Proceedings. Springer, Series: Communications in Computer and Information Science, Vol. 100., ISBN 978-3-642-23138-4, pages 98-117, 2011.

4. Aoife Cahill, Mairead McCarthy, Michael Burke, Josef van Genabith and Andy Way. Deriving Quasi-Logical Forms from F-Structures from the Penn Treebank. In *Computing Meaning, Volume 3*, (eds.) Harry Bunt and Reinhard Muskens, Springer, ISBN 978-1-4020-5957-5, pp. 33-55, 2007

5. Dick Crouch, Anette Frank and Josef van Genabith. Linear Logic Based Transfer and Structural Misalignment. In *Computing Meaning, Volume 3*, (eds.) Harry Bunt and Reinhard Muskens, Springer, pp.457-472, 2007

6. Josef van Genabith. Rapid Treebank-Based Acquisition of Multilingual LFG Resources, (eds.) Butt, Miriam, Mary Dalrymple, and Tracy Holloway King; *Intelligent Linguistic Architectures: Variations on Themes by Ronald M. Kaplan*. CSLI Lecture Notes, The University of Chicago Press, ISBN 1-57586-532-7, 2006, pp.111-136

7. Elaine Uí Dhonnchadha and Josef van Genabith. Scaling an Irish FST Morphology Engine for Use on Unrestricted Text in, editor(s)A. Yli-Jyrä, L. Karttunen, J. Karhumäki , *Lecture Notes in Artificial Intelligence (LNAI): Proceedings of the FSMNLP 2005 Finite-State Methods in Natural Language Processing*, Berlin, Springer-Verlag, 2006, ISBN: 978-3-540-35467-3, pp. 247 - 258.

8. John Kelleher and Josef van Genabith. 2006. A Computational Model of the Referential Semantics of Projective Prepositions. In (ed.) P. Saint-Dizier. *The Linguistic Dimensions of Prepositions and their Use in Computational Linguistics Formalisms and Applications*, Kluwer Publishing., pp. 211-228.

9. Anette Frank, Louisa Sadler, Josef van Genabith and Andy Way. 2003. From Treebank Resources to LFG F-Structures. In (ed.) Anne Abeille. *Treebanks: Building and Using Syntactically Annotated Corpora,* Series Text, Speech and Language Technology, Vol. 20, Springer

10. Dick Crouch, Anette Frank and Josef van Genabith. 2001. Glue, Underspecification and Translation. In *Computing Meaning, Volume 2*, (eds.) Harry Bunt, Reinhard Muskens and Elias Thijsse, Kluwer Academic Publishers, Studies in Linguistics and Philosophy, volume 77, Dordrecht, The Netherlands, pp.165-184

11. Josef van Genabith and Richard Crouch. 1999. How to Glue a Donkey to an f-Structure or Porting a Dynamic Meaning Representation Language into LFG's Linear Logic Based Glue Language Semantics. *Computing Meaning; Volume 1;* (eds.) Harry Bunt and Reinhard Muskens; Studies in Linguistics and Philosophy; volume 73, Kluwer Academic Press, Dordrecht, Boston and London, 1999, pp129-148.
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2. 2004 Aoife Cahill, *Parsing with Automatically Acquired, Wide-Coverage, Robust, Probabilistic LFG Approximations*, (with Andy Way)

3. 2006 Michael Burke, *Automatic Treebank Annotation for the Acquisition of LFG Resources*, (with Andy Way)
4. 2006 Ruth O'Donnovan, *Automatic Extraction of Large-Scale Multilingual Lexical Resources*, (with Andy Way)
5. 2007 Thomas Koller, *Design, Development, Implementation and Evaluation of a Plurilingual ICALL System for Romance Languages Aimed at Advanced Learners*, (with Monica Ward)
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7. 2007 Bart Mellebeek, *TransBooster: Black Box Optimisation of Machine Translation Systems*, (with Andy Way)
8. 2007 Monica Ward, *The Integration of Computational Linguistics Techniques in CALL for Irish in the Primary School Context*
9. 2008 Karolina Owczarzak, *A Novel Dependency-Based Evaluation Metric for Machine Translation*, (with Andy Way)
10. 2008 Grzegorz Chrupala, *Towards a Machine-Learning Architecture for Lexical Functional Grammar Parsing*
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15. 2010 Yvette Graham, *Deep Syntax in Statistical Machine Translation*
16. 2011 Yifan He, *The Integration of Machine Translation and Translation Memory* (with Andy Way)
17. 2011 Joachim Wagner, *Detecting Grammatical Errors with Treebank-Induced Probabilistic Parsers* (with Jennifer Foster)
18. 2012 Pratyush Banerjee, *Domain Adaptation for Statistical Machine Translation of Corporate and User-Generated Content* (with Andy Way and Johann Roturier)
19. 2013 Cara Greene, *Integrating Information Communication Technology (ICT): Does it make the Curriculum more Accessible?* (with Monica Ward)
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PhD Examinations (External and Internal):

1. Débora Abdalla-Santos, Centro de Informática, Universidade Federal de Pernambuco, Recife, Brasil, 2000
2. Svetlana Damianova-Hensman, University College Dublin, Ireland, 2004

3. Mary Hearne, Dublin City University, Ireland, 2005
4. Barry McCaul, Dublin City University, Ireland, 2006
5. Declan Groves, Dublin City University, Ireland, 2007
6. John Tinsley, Dublin City University, Ireland, 2009
7. Miltiadis Kokkonidis, University of Oxford, UK, 2010
8. Sergio Penkale, Dublin City University, Ireland, 2011
9. Tsuyoshi Okita, Dublin City University, Ireland 2011
10. Niraj Aswani, University of Sheffield, UK, 2012
11. Luic Dugast, University of Edinburgh, UK, 2013
12. Gideon Kotze, University of Groningen, The Netherlands, 2013
13. Christian Federmann, University of Saarland, Germany, 2013
14. Gideon Maillette de Buij Wenniger, University of Amsterdam, The Netherlands, 2016
15. Mihael Arcan, National University of Galway, Ireland, 2016
16. Jörn Wübcker, RWTH Aachen, Germany, 2017
17. Mittul Singh, Universität des Saarlandes, Germany, 2017
18. Giancarlo D. Salton, Dublin Institut of Technology, 2017
19. Joachim Daiber, University of Amsterdam, 2018
20. Kathrin Eichler, Universität des Saarlandes, Germany, 2018
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