

# Selected Publications

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3.4	Thesis (Pd.D)	1

## 1 Edited books, Journals or conferences (28)

### 1.1 Edited books (6)

1. Gala, N. and M. Zock (éds) (2013). **Ressources lexicales : construction et utilisation**. Lingvisticae Investigationes, John Benjamins, Amsterdam, The Netherlands ([web](#)).
2. Adorni, G. & M. Zock (Eds.), 1996. **Trends in Natural Language Generation: an Artificial Intelligence Perspective**, Springer Verlag, New York, 382 pages.
3. Horacek, H. & M. Zock (Eds.), 1993. **New concepts in Natural Language Generation: Planning, Realization, Systems**. Pinter Pbs, London, 318 pages. Reedited (2015). Bloomsbury Publishing.
4. Dale, R., C. Mellish & M. Zock (Eds.), 1990, **Current Research in Natural Language Generation**, Academic Press, Harcourt Brace & Jovanovich, New York, 356 pages.
5. Zock, M. & Sabah (Eds.) 1988, **Advances in Natural Language Generation: an Interdisciplinary Perspective**, co-edition Pinter (London) and Ablex, Norwood, N.J. vol. 1, 200 pages.
6. Zock, M. & Sabah (Eds.) 1988. **Advances in Natural Language Generation: an Interdisciplinary Perspective, co-edition** Pinter (London) and Ablex, Norwood, N.J. vol. 2, 176 pages.

### 1.2 Edited Journals (8)

1. Hofmann, M., Zock, M. Chang, Y-N & Brouwer, H. (Eds.), (2024). *Neurocomputational Models of Language Processing*, <https://www.frontiersin.org/research-topics/49147/neurocomputational-models-of-language-processing>, Frontiers in Human Neuroscience (forthcoming).
2. Zock, M., De Deyne, S., Stella, M., & Pirrelli, V. (Eds.), (2022). **The mental lexicon, blueprint of the dictionaries of tomorrow: Cognitive Aspects of the Lexicon**. *Frontiers in Artificial Intelligence*, Vol. 5, <https://www.frontiersin.org/articles/10.3389/frai.2022.945705/full>
3. Zock, M. (2020) (ed.). **AI at the Crossroads of NLP and Neurosciences**. *Journal of Cognitive Science*, Vol. 21-1:1-14, <http://jcs.snu.ac.kr/jcs/issue/vol21/no1/00INTRO.pdf>
4. Zock, M. (2015) (ed.). **Cognitive aspects of Natural Language Processing**. *Journal of Cognitive Science*, Seoul,

- Korea, Vol. 16, 4, pp. 355-564. <http://jcs.snu.ac.kr/jcs/issue/vol16/no4/01+introduction.pdf>
5. Zock, M. & R. Rapp (2011) (eds.). **Cognitive aspects of Natural Language Processing**. Journal of Cognitive Science, Séoul, Corée, Vol. 12, 3, pp 211- 322. <http://jcs.snu.ac.kr/jcs/issue/vol12/no3/00-2Introduction.pdf>
  6. Kawtrakul, A. & Zock M. 2006 (Eds.). Special issue of the journal ECTI, Transaction on Computer and Information Technology, vol. 2, N° 2, 73 pages
  7. Zock, M. & J. Carroll (2003) **Les dictionnaires électroniques**. Special issue of the journal TAL (Traitement Automatique du Langage). vol. 44, 2, Hermès, Paris, 259 pages.
  8. Zock, M. (1998) **Computer Assisted Language Learning in the Francophone world**, CALL, Exeter, Vol. 11 no. 5, 138 pages.

### 1.3 Edited Proceedings (28)

#### 1.3.1 COGALEX (Cognitive Aspects of the Lexicon) (8)

1. Zock, M., Chersoni, E., Hsu, Y-Y. & de Deyne, S. (Eds.) (2024). *Cogalex-VIII (Cognitive Aspects of the Lexicons)*, LREC-COLING, Torino Italy, 185 pages
2. Zock, M., Chersoni, E., Hsu, Y-Y. & Santus, E. (Eds.) (2022). *Cogalex-VII (Cognitive Aspects of the Lexicons)*, ACL-IJCNLP, Taipei, 2022, Taipei, 101 pages, <https://aclanthology.org/volumes/2022.cogalex-1/>
3. Zock, M., Chersoni, E., Lenci, A., & Santus, E. (2020). *Cognitive Aspects of the Lexicon (cogalex-VI)*, Coling, 2016, Barcelona, 171 pages, <https://aclanthology.org/events/coling-2020/#2020-cogalex-1>
4. Zock, M., Lenci, A. & S. Evert (Eds.) (2016). *Cognitive Aspects of the Lexicon (cogalex-V)*, Coling workshop proceedings, Osaka (Japan), 173 pages, <https://sites.google.com/site/cogalex2016/cogalex-v>
5. Zock, M., Rapp, R. and C. Huang (Eds.) (2014). **Cognitive Aspects of the Lexicon (COGALEX-IV)**. COLING workshop proceedings, Dublin. <https://www.aclweb.org/anthology/W14-4700>
6. Zock, M. and R. Rapp (Eds.) (2012). **Cognitive Aspects of the Lexicon (COGALEX-III)**. COLING workshop proceedings, Beijing, 231 pages. <https://www.aclweb.org/anthology/W12-5100/>
7. Zock, M. and R. Rapp (Eds.) (2010). **Cognitive Aspects of the Lexicon**. COLING workshop proceedings, Beijing, 95 pages. <https://www.aclweb.org/anthology/volumes/W10-34/>
8. Zock, M. and C. Huang (Eds.) (2008). **Cognitive Aspects of the Lexicon: Enhancing the Structure, Indexes and Entry Points of Electronic Dictionaries**, COLING workshop proceedings. Manchester, 121 pages. <https://www.aclweb.org/anthology/volumes/W08-19/>

#### 1.3.2 Other workshops related to the lexicon (3)

1. Zock, M. Bel-Enguix, G. and R. Rapp (Eds.) (2014). **Lexical resources and NLP (TALN)**. Marseille, France, 87 pages.
2. Zock, M. and P. Saint-Dizier (Eds.) 2004. **Enhancing and using dictionaries**. COLING workshop proceedings. Geneva, MIT Press, 99 pages. <https://www.aclweb.org/anthology/W04-2100/>
3. Zock, M. and J. Carroll (2002). **Electronic dictionaries, a fundamental component in NLP**. Actes de la journée d'étude de l'ATALA, (<http://atala.biomath.jussieu.fr/je/je-020126.html>).

#### 1.3.3 NLPCS (Natural Language Processing and Cognitive Science) (7)

1. Sharp, B. & M. Zock (Eds.) (2013). **Natural Language Processing and Cognitive Science**. Proceedings of the 10th International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2013, Marseille (France), 188 pages.
2. Sharp, B. & M. Zock (Eds.) (2012). **Natural Language Processing and Cognitive Science**. Proceedings of the 9th International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2012, Wroclaw (Poland), SciTe Press, Portugal, 151 pages.
3. Sharp, B., Zock, M., Carl, M. & A. Lykke Jakobsen (eds). (2011). **Natural Language Processing and Cognitive Science (NLPCS)**. Special Issue: Human-Machine Interaction in Translation. Proceedings of the 9th International Workshop on Natural Language Processing and Cognitive Science. Copenhagen, Denmark, 274 pages.
4. Sharp, B. & M. Zock (Eds.) (2010). **Natural Language Processing and Cognitive Science**. Proceedings of the 7th International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2010, Funchal (Madeira), INSTICC Press, Miami USA, 119 pages.
5. Sharp, B. & M. Zock (Eds.) (2009). **Natural Language Processing and Cognitive Science**. Proceedings of the 6th

International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2009, Milano, INSTICC Press, Miami USA, 145 pages.

6. Sharp, B. & M. Zock (Eds.) (2008). **Natural Language Processing and Cognitive Science**. Proceedings of the 5th International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2008, Barcelona, INSTICC Press, Miami USA, 175 pages.
7. Sharp, B. and M. Zock (Eds.) (2007). **Natural Language Processing and Cognitive Science**. Proceedings of the 4th International Workshop on Natural Language Processing and Cognitive Science, NLPCS 2007, Funchal (Madeira), INSTICC Press, Miami USA, 239 pages.

### 1.3.4 Natural Language Generation (5)

- 1 Jokinen, K., Maybury, M., Zock, M. and I. Zukermann (Eds.) 1996. **Gaps and Bridges: New Directions in Planning and Natural Language Generation**. Workshop proceedings of the 12th European Conference on Artificial Intelligence (ECAI), Budapest, about 100 pages.
- 2 Adorni, G. and M. Zock (Eds.), 1993, Proceedings of the 4th European Workshop on **Natural Language Generation**, Pisa (Italy), about 120 pages.
- 3 Horacek, H. and M. Zock (Eds.), 1991, Proceedings of the 3d European Workshop on **Natural Language Generation**, Judenstein (Austria), about 110 pages.
- 4 Dale, R., C. Mellish and M. Zock (Eds.), 1989, Proceedings of the 2nd European Workshop on **Natural Language Generation**, Edinburgh (Scotland), about 90 pages.
- 5 Zock, M. and Sabah (Eds.) 1988, Proceedings of the 1st European Workshop on **Natural Language Generation**, Royaumont (France), about 140 pages.

### 1.3.5 Authoring Aids (2)

- 1 Dale, R., A. Max and M. Zock (Eds.). (2008). **Natural Language Processing resources, algorithms and tools for authoring aids**. Proceedings of LREC workshop, Marrakech, 37 pages.
- 2 Hernandez, N, Max, A and M. Zock. (2006). **Aide à la rédaction: apports du Traitement Automatique des Langues**, Actes de la journée d'étude de l'ATALA du 3 juin 2006, Paris, France

### 1.3.6 NLP (Natural Language Processing) (3)

1. Atta-Allah, F., Agnaou, F., Ansar, K., Bouhjar, A., Boulaknadel, S., Chakiri, M., Fadili, H., Frain, J., Kostov, J., Millour, A., Mkhitarian, S., and Zock, M., editors (2017). Proceedings of the workshop: Linguistic diversity and NLP - DiLiTAL. TALN, Orléans.
2. Kawtrakul, A., Zock, M. and W. Phantachat (2007). **Natural Language Processing**, Proceedings of the 7th International Symposium on NLP. 663 pages
3. Mitkov R., Nicolov N., Kudlek M. and M. Zock, (Eds.), (1997). Proceedings of the Second International Conference on **Recent Advances in Natural Language Processing** (RANLP '97), Tzigov Chark, Bulgaria. <https://lists.w3.org/Archives/Public/www-talk/1997MayJun/0011.html>

## 2 Publications

### 2.1 Bookchapters

1. Zock, M. (2022). Organizar palabras de tal modo que los autores puedan encontrarlas aún cuando su cerebro ha fallado (**Organize words in such a way that authors can find them even if ever their brain has failed**). In Massip, A., Bel-Enguix, G., Bastardas, A. & Terborg,R. (Eds), Teoría de la Complejidad. Aplicaciones a las ciencias del lenguaje y de la comunicación. UNAM-UB, Mexico
2. Bateman J & M. Zock. (2022) *Natural Language Generation*. In R. Mitkov (Ed.) Handbook of Computational Linguistics (2<sup>nd</sup> edition), Oxford University Press. pp. 747-769. <https://academic.oup.com/edited-volume/42643/chapter-abstract/358152335?redirectedFrom=fulltext>
3. Zock, M. (2019). *Eureka! A Simple Solution to the Complex 'Tip-of-the-Tongue'- Problem*. In Bastardas-Boada, A; Massip Bonet, A & Bel-Enguix, G. (eds.). Complexity Applications in Language and Communication, Springer. Berlin, pp. 251-272
4. Rapp, R., Xu, V., Zock, M., Sharoff, S., Forsyth, R., Babych, B., Chu, C., Nakazawa, T., & Kurohashi, S. (2019).

*New Areas of Application of Comparable Corpora*. In: Skadiņa I., Gaizauskas R., Babych B., Ljubešić N., Tufiş D., Vasiljevs A. (eds) Using Comparable Corpora for Under-Resourced Areas of Machine Translation. Theory and Applications of Natural Language Processing. Springer, Cham, pp. 255-290.

5. Zock, M. & D. Tesfaye (2017). **Use your mind and learn to write: the problem of producing coherent text**. In Sharp, B., Sedes, F. & Lubaszewski, W. (Eds.). Cognitive Approaches to Natural Language Processing., <https://www.sciencedirect.com/science/article/abs/pii/B978178548253350007X>, ISTE, London, pp. 129-158
6. Zock, M. (2015) **'Errare humanum est'. Refusing to 'appreciate' this fact could be a big mistake!** In Adda, G., Barbu Mititelu, V, Mariani, J., Tufiş, D., & Vasilescu, I. (eds). "Errors by Humans and Machines in multimedia, multimodal and multilingual data processing. Romanian Academy Publishing House, 91-106, <https://hal.science/hal-04570182>
7. Zock, M. and Schwab, D (2013) **L'index, une ressource vitale pour guider les auteurs à trouver le mot bloqué sur le bout de la langue**. In Gala, N. et M. Zock (éds). Ressources lexicales : construction et utilisation. Lingvisticae Investigationes, John Benjamins, Amsterdam, The Netherlands, pp. 313-354
8. Zock, M. (2010). **Language production a demanding but feasible task, provided to find the right strategies and tools**. Tufiş, D and, C. Forascu (eds.): Multilinguality and Interoperability in Language Processing with Emphasis on Romanian, Romanian Academy Publishing House, pp. 345-362
9. Zock, M. and S. Afantenos (2009). **Using e-Learning to achieve fluency in foreign languages**. In Tzanavari A. & N. Tsapatsoulis (Eds.). Affective, Interactive and Cognitive Methods for e-Learning Design : Creating an Optimal Education Experience. IGI Global, Hershey, Pennsylvania, pp. 187-206
10. Rapp, R. and M. Zock (2008). **Automatic Dictionary Expansion Using Non-parallel Corpora**. (German Classification Society). In A. Fink, B. Lausen, W. Seidel, and A. Ultsch, editors, Advances in Data Analysis, Data Handling and Business Intelligence, pages 317–325. Springer, Berlin-Heidelberg
11. Zock, M. (2006). **Navigational aids, a critical factor for the success of electronic dictionaries**. R. Rapp, P. Sedlmeier G. Zunker-Rapp (eds.) Perspectives on Cognition: A Festschrift for Manfred Wetzler. Pabst Science Publishers, Lengerich, pp. 397-414
12. Zock, M. (2006). **Needles in a haystack and how to find them? The case of lexical access**. In E. Miyares Bermudez and L. Ruiz Miyares (Eds.) "Linguistics in the Twenty First Century". Cambridge Scholars Press, 2006, United Kingdom, pp. 155-162
13. Bateman, J. and M. Zock. (2003). **Natural Language Generation**. In R. Mitkov (Ed.) Handbook of Computational Linguistics, Oxford University Press, pp. 284-304
14. Zock, M. and Sabah, G. (2002). **La génération automatique de textes**. In M. Fayol (éd.), Production du langage, Sciences du Langage, Hermès-Lavoisier, Paris, pp. 263-28
15. de Smedt, K., H. Horacek & M. Zock (1996). **Architectures for Natural Language Generation : Problems and Perspectives**. In G.Adorni & M. Zock (Eds.), Trends in Natural Language Generation: an Artificial Intelligence Perspective, Springer Verlag, New York, pp. 17-46
16. Andriessen J., deSmedt K. and Zock, M. (1996) **Discourse Planning: Empirical Research and Computer Models**. In T. Dijkstra & K. de Smedt (Eds). Computational Psycholinguistics: AI and Connectionist Models of Human Language processing, Taylor & Francis, London, pp. 247-278
17. Zock, M.(1997) **Sentence Generation by Pattern Matching : the Problem of Syntactic Choice**. In : R. Mitkov & N. Nicolov (Eds.) Recent Advances in Natural Language Processing. Series: Current Issues in Linguistic Theory, Benjamins, pp. 317-352
18. Zock, M. (1993). **Is content generation part of the deep-generation or surface-generation component ? The case of lexical choice**. In Horacek, H. & M. Zock (Eds.), pp. 290-296
19. Denis, M. F. Robin, M. Zock and A. Laroui (1992). **Identifying and simulating cognitive strategies for the description of spatial networks**. In R. Kulhavy & W. Schnotz (Eds.) Comprehension of Graphics, Elsevier, Amsterdam, North-Holland, pp. 77-94, <http://www.sciencedirect.com/science/article/pii/S0166411509601096>
20. Nogier J.F. and M. Zock (1992) **Lexical choice as pattern matching**. Nagle, Nagle and Eklund (Eds.), Current Directions in Conceptual Structures Research, pp. 200-212

21. Zock, M.(1991) **SWIM or sink: the problem of communicating thought**. In, Swartz, M. &M. Yazdani (Eds.), *Bridge to International Communication: Intelligent Tutoring Systems for Second Language Learning*. New York: Springer, pp. 235-247
22. Ligozat, G. and M. Zock (1991) **Generating temporal expressions from icons**, In E.Feldbusch, R.Pogarell and C.Weiss, *Neue Fragen der Linguistik*, Max Niemeyer Verlag, Tübingen, pp. 495-503
23. Zock, M. (1988) **Natural Languages are Flexible Tools, that's what Makes them Hard to Explain, to Learn and to Use**, in Zock, M. and Sabah, G. (eds.), pp. 181-196

## 2.2 Journals with review

### 2.2.1 International journals (11)

1. Zock, M. (2022). "**The Mental Lexicon: A Blueprint for the Dictionaries of Tomorrow?**" *Frontiers in Psychology and Artificial Intelligence* 5: 1-4. DOI 10.3389/frai.2022.1027392, <https://hal.science/hal-04570173>
2. Zock, M. & Biemann, C. (2020). **Comparison of Different Lexical Resources with Respect to the Tip-of-the-Tongue Problem**. *Journal of Cognitive Science*, Vol. 21-2:193-252. Institute for Cognitive Science, Seoul National University (<https://www.inf.uni-hamburg.de/en/inst/ab/lt/publications/2020-zockbiemann-jcs-tot.pdf>), <http://jcs.snu.ac.kr/jcs/issue/vol21/no2/02ZOCK.PDF>
3. Zock, M. and Tesfaye, D. (2015) **Automatic creation of a semantic network encoding part\_of relations**. In *Journal of Cognitive Science*, Vol. 16, 4, pp. 431-491, Institute for Cognitive Science, Seoul National University. <http://jcs.snu.ac.kr/jcs/issue/vol16/no4/04+zock+and+tesfaye.pdf>
4. Zock, M., Lapalme, G & Fang, L.J. (2015). **Become fluent in a foreign language by using an improved technological version of an outdated method**. In *Journal of Cognitive Science*, Vol. 16, 2, pp. 151-173. Institute for Cognitive Science, Seoul, Korea. <http://jcs.snu.ac.kr/jcs/issue/vol16/no2/04+become+fluent+in.pdf>
5. Zock, M., Lapalme, G. & Yousfi-Monod, M. (2015). **Learn to describe objects the way 'ordinary' people do by using Language Technology**. In *Journal of Cognitive Science*, Vol. 16, 2, pp. 175-193, Institute for Cognitive Science, Seoul National University. <http://jcs.snu.ac.kr/jcs/issue/vol16/no2/05+learn+to+describe.pdf>
6. Zock, M. and D. Schwab. (2011). **Storage does not guarantee access. The problem of organizing and accessing words in a speaker's lexicon**. In *Journal of Cognitive Science* 12, 3, pp. 233-259, Institute for Cognitive Science, Seoul National University.
7. Zock, M., Ferret, O. and D. Schwab. (2010). **Deliberate word access: an intuition, a roadmap and some preliminary empirical results**. *International Journal of Speech Technology*, 13 (4): 201–218 ([web](#)). Springer Verlag.
8. Zock, M., Sabatier, P. and L. Jakubiec-Jamet. (2008). **Message composition based on concepts and goals**. *International Journal of Speech Technology*, 11, 3-4, pp. 181-193. Springer Verlag, <http://www.springerlink.com/content/577r05m974n28075/>
9. Zock M. (2006). **If You Care to Find What You Are Looking For, Make an Index : the Case of Lexical access**. *ECTI Transaction on Computer and Information Technology*, vol. 2, No 2, pp. 71-80
10. Nogier, J.F. and Zock, M. (1992). **Lexical choice by pattern matching**. In *Knowledge Based Systems*, vol.5, No 3, Butterworth
11. Zock, M., Francopoulo, G. and Laroui, A. (1989). **SWIM : a natural interface for the scientifically minded language learner**. *Computers and the Humanities*, n° 23, 4/5, pp.411-422.

### 2.2.2 French-speaking journals (3)

1. Zock, M. (2005). **Le dictionnaire mental, modèle des dictionnaires de demain?** Numéro coordonné par T. Fontenelle (Microsoft), *Revue Française de Linguistique Appliquée*, Vol. X, 2005-2. "Les dictionnaires aujourd'hui : conception et réalisation", pp. 103-117. <https://www.cairn.info/revue-francaise-de-linguistique-appliquee-2005-2-page-103.htm?contenu=resume>
2. Zock, M. and Sabah. (1992). **La production automatique de langage: 30 ans déjà ou presque**. In J.Anis (Ed.), *Langue Française*, N° 106, Larousse, Paris, pp. 8-35, [https://www.persee.fr/doc/lgge\\_0458-](https://www.persee.fr/doc/lgge_0458-)

3. Zock, M. (1986). **Problèmes Relatifs à la Représentation de Connaissances : De Fillmore à Schank**. Actes Sémiotiques, n°40 : Intelligence Artificielle, II : Approches Cognitives du Texte, pp. 5-23

### 2.3 International conferences or workshops with review (111)

1. Zock, M. and Biemann, C. (2016): **Towards a resource based on users' knowledge to overcome the Tip-of-the-Tongue problem**. Proceedings of the COLING Workshop Cognitive Aspects of the Lexicon (CogALex-V), Osaka, Japan, pp. 57-68
2. Tesfaye, D., Zock, M., and Teferra, S. (2016). **Combining syntactic patterns and Wikipedia's hierarchy of hyperlinks to extract relations: The case of meronymy extraction**. Proceedings of NAACL-HLT (pp. 29-36), San Diego.
3. Zock, M. & Schwab, D. (2016). **WordNet and beyond**. In Fellbaum, C., Vosse, P., Mititelu, V. and D. Forăscu (Eds.). 8<sup>th</sup> International Global WordNet conference. Bucharest (<http://gwc2016.racai.ro>), pp. 436-444
4. Zock, M. (2015). **'Errare humanum est'. Refusing to 'appreciate' this fact could be a big mistake!** In Proceedings of the Errare-workshop (part of InterSpeech): "Errors by Humans and Machines in multimedia, multimodal and multilingual data processing. Sinaia, Romania, pp. 1-6
5. Zock, M. (2014). **Wordfinding problems and how to overcome them ultimately with the help of a computer**. Cogalex-IV, Coling workshop, Dublin, Ireland. Pp. 221-230
6. Rapp, R. & Zock, M. (2014). **The Cogalex-IV shared task on the lexical access problem**, Cogalex-IV, Coling workshop, Dublin, Ireland. pp. 1-14
7. Zock, M. & D. Cristea (2014). **You shall find the target via its companion words: specification of tools and resources to overcome the tip-of-the-tongue problem**. 11th International Workshop on Natural Language Processing and Cognitive Science (NLPCS). Venice, de Gruyter, pp. 215-230
8. Bel-Enguix, G., Rapp, R. and M. Zock (2014). **How well can a corpus-derived co-occurrence network simulate human associative behavior?"** EACL 2014 Workshop on 'Cognitive Aspects of Computational Language Learning' (CogACLL), Gothenburg, Suède. 6 pages
9. Zock, M., Lapalme, G and Fang, L.J. (2013). **A generic cognitively motivated, web-based environment to help people to become quickly fluent in a new language**. PACLIC Workshop on Computer-Assisted Language Learning. PacLic workshop, National Chengchi University, Taiwan ; 8 pages
10. Zock, M. and D. Tesfaye (2013). **Automatic Sentence Clustering to help authors perceive possible links between their ideas**. 10th International Workshop on Natural Language Processing and Cognitive Science (NLPCS 2013). 15 pages, Marseille
11. Bel-Enguix, G. et M. Zock (2013) **A co-occurrence network to support automatic lexical access**. Actes de la 20<sup>ème</sup> conférence sur le Traitement Automatique des Langues Naturelles (TALN), Nantes, France, 8 pages
12. Zock, M. & Tesfaye, D. (2012). **Automatic index creation to support navigation in lexical graphs encoding part\_of relation**. Cogalex-III, Coling workshop, Mumbai, India, pp. 33- 52.
13. Rapp, R. & M. Zock (2012) **The Design of a System for the Automatic Generation of Lexical Databases Analogous to WordNet**. Sixth Workshop on Analytics for Noisy Unstructured Text Data (AND 2012), 24th International Conference on Computational Linguistics. Mumbai, India, 8 page
14. Zock, M., Lapalme, G. & Yousfi-Monod, M. (2012). **Learn to speak like normal people do: the case of object descriptions**. 9th International Workshop on Natural Language Processing and Cognitive Science (NLPCS 2012). Wraclow, pp 120-129
15. Tesfaye, D. & M. Zock (2012). **Automatic creation of an index to support authors to find the word they are looking for**. ACM Conference on Management of Emergent Digital Eco Systems (MEDES' 12), Addis Ababa.
16. Tesfaye, D. & M. Zock (2012). **Automatic Extraction of Part-Whole Relations**. 9th International Workshop on Natural Language Processing and Cognitive Science (NLPCS 2012). Wraclow, pp 130-139

17. Zock, M. et G. Lapalme (2011). **Patrons de phrase, raccourcis pour apprendre rapidement à parler une nouvelle langue**. Actes de la 18ème conférence sur le Traitement Automatique des Langues Naturelles (TALN), Montpellier, France, pp. 27-38
18. Joubert, A. Lafourcade, M., Schwab, D. et M. Zock (2011). **Évaluation et consolidation d'un réseau lexical via un outil pour retrouver le mot sur le bout de la langue**. Actes de la 18ème conférence sur le Traitement Automatique des Langues Naturelles (TALN), Montpellier, pp. 295-306
19. Zock, M. (2011). **A semantic map and a lexical compass to help people find the words they are searching for**. 8th International Workshop on Natural Language Processing and Cognitive Science (NLPCS 2011), Copenhagen, pp 31-42
20. Zock, M & Schwab, D (2011). **Si tous les chemins mènent à Rome, ils ne se valent pas tous. Le problème d'accès lexical**. Invited paper to the 4th international workshop on Amazighe and new Technologies, Rabat, (9 pages)
21. Zock, M & Schwab, D (2010) **Lexical access, a search problem**. COGALEX-2, Coling workshop, Beijing, pp. 75-84
22. Zock, M. (2010). **Wheels for the mind of the language producer: microscopes, macroscopes, semantic maps and a good compass**. Invited paper to the LREC workshop 'Semantic relations. Theory and Applications'. Barbu Mititelu, V., Pekar V. & E. Barbu (Eds.). International Conference on Language Resources and Evaluation (LREC) 2010, La Valeta, Malta. pp. 47-53, <http://www.lrec-conf.org/proceedings/lrec2010/workshops/W9.pdf>
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### 4 Dissertation and habilitation

#### 4.1 Habilitation in Cognitive Science

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