

CURRICULUM VITAE

Cynthia Van Hee

Name	Cynthia Van Hee
Birth place and date	Wetteren, May 16, 1991
Function	Research Assistant
Research institute	LT3 Language and Translation Technology Team Department of Translation, Interpreting and Communication Ghent University Groot-Brittanniëlaan 45 9000 Ghent, Belgium
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1 Education

2013-present	Doctoral researcher Ghent University
2012-2013	M.A. Multilingual Communication (French, Spanish, English) University College Ghent
2009-2012	B.A. Applied Linguistics (French, Spanish) University College Ghent
2003-2009	Economics-Modern Languages Sint-Lodewijkscollege, Lokeren
Erasmus (2011)	Langues Étrangères Appliquées: français-espagnol Université Stendhal Grenoble III, France
Internship (2013)	Project management, redaction, revision and DTP of promotional content. Extra Consult, Erembodegem.

2 Additional training

2013	- Advanced Academic English: Writing Skills - Statistics - Introduction to R - Statistics - Introductory Statistics. Basics of Statistical Inference
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2014	Ghent University Doctoral Training Programme - Antwerp EADH Spring Academy in Digital Humanities
2016	University of Antwerp - Project Management Ghent University Doctoral Training Programme

3 Work experience

1. Research projects

- AMiCA (Automatic Monitoring for Cyberspace Applications) IWT-SBO project. The goal of the AMiCA project (2013–2017) was to mine relevant website resources (blogs, chats and social networks), and collect, analyse, and integrate large amounts of subjective information using text and image analysis with the objective of tracing harmful content in an automatic way. I was actively involved in the project, and particularly in the use case on cyberbullying. My main tasks involved collecting relevant data to train a machine learning classifier and developing a prototype system for automatic cyberbullying detection.

2. Teaching:

Advanced Website Management (postgraduate Dutch and Translation)

3. Student guidance:

- Supervisor of the following bachelor papers:
 - Jasmien Huyghe: *Aspect-based sentimentanalyse van Twitterdata en de moeilijkheid van ironie en impliciet sentiment: een corpusonderzoek* (2016)
 - Frederic Van Hauwaert: *Lexical Features of Cyberbullying on English Social Media Websites* (2015)
 - Laurens Vaeyens: *Hoe kan cyberpesten op een automatische manier gedetecteerd worden?* (2014)
- Co-supervisor of the following theses:
 - Laurens Vaeyens: *How is Sarcasm lexicalised in Twitter Messages? A Corpus Study* (2015)
 - Karen Degraeve: *La possibilité de prédire des élections politiques par des tweets : une étude de corpus* (2015)
 - Tim Matheussen: *Irony detection for online reputation management* (2016)
 - Thibault Glas: *Irony detection for Dutch online reputation management* (2016)
- Internship coordinator and thesis co-supervisor:
 - Anneleen Artois (KU Leuven): *Irony Detection in English Social Media Data* (2016)
- Student workers' guidance in the framework of the AMiCA project

4. Scientific output

1. Publications

A1 publications

- Van Hee, Cynthia, Jacobs, G., Emmery, C., Desmet, B., Lefever, E., Verhoeven, B., De Pauw, G., Daelemans, W. & Hoste, V. Automatic Detection of Cyberbullying in Social Media Text. *PLOS ONE*. **Submitted on 06/02/2017.**
- Van Hee, Cynthia, Van de Kauter, M., De Clercq, O., Lefever, E., Desmet, B. & Hoste, V. Noise or Music? Investigating the Usefulness of Normalisation for Robust Sentiment Analysis on Social Media Data. *Traitement Automatique des Langues*. **Submitted on 26/12/2017.**
- Van Hee, Cynthia, Lefever, E. & Hoste, V. Exploring the Fine-grained Analysis and Automatic Detection of Irony on Twitter. *Language Resources and Evaluation*. **Accepted for publication with major revisions on 30/05/2017.**

VABB publications

- Van Hee, C., Van de Kauter, M., De Clercq, O., Lefever, E., & Hoste, V. (2014). LT3: sentiment classification in user-generated content using a rich feature set. Proceedings of the 8th International Workshop on Semantic Evaluation (pp. 406–410). Presented at SemEval-2014, Association for Computational Linguistics.

B3 publications

- Desmet, Bart, De Clercq, O., Van de Kauter, M., Schulz, S., Van Hee, C., & Hoste, V. (2014). Taaltechnologie 2.0: sentimentanalyse en normalisatie. In Stefaan Evenepoel, P. Goethals, & L. Jooken (Eds.), *Beschouwingen uit een talenhuis : opstellen over onderwijs en onderzoek in de vakgroep Vertalen, Tolken en Communicatie aangeboden aan Rita Godyns* (pp. 157–161). Ghent, Belgium: Academia Press.

C1 publications

- Van Hee, C., Lefever, E., & Hoste, V. (2016). Monday mornings are my fave : #not exploring the automatic recognition of Irony in English tweets. In N. Calzolari, Y. Matsumoto, & R. Prasad (Eds.), *Proceedings of COLING 2016, 26th International Conference on Computational Linguistics* (pp. 2730–2739). Presented at the COLING 2016, 26th International Conference on Computational Linguistics, ACL.
- Van Hee, C., Verleye, C., & Lefever, E. (2016). Analysing emotions in social media coverage on Paris terror attacks : a pilot study. In E. Lefever & D. J. Folds (Eds.), *Proceedings of HUSO 2016, The Second International Conference on Human and Social Analytics* (pp. 33–37). Presented at HUSO 2016, IARIA.
- Hoste, Veronique, Van Hee, C., & Poels, K. (2016). Towards a framework for the automatic detection of crisis emotions on social media : a corpus analysis of the tweets posted after the crash of Germanwings flight 9525. *Proceedings of HUSO 2016, The Second International Conference on Human and Social Analytics* (pp. 29–32). Presented at HUSO 2016, IARIA.
- Van Hee, C., Lefever, E., & Hoste, V. (2016). Exploring the realization of irony in Twitter data. *Proceedings of the Tenth International Conference on Language Resources and Evaluation (LREC'16)* (pp. 1795–1799). Presented at the Language Resources and Evaluation Conference, European Language Resources Association (ELRA).

- Van Hee, C., Verhoeven, B., Lefever, E., De Pauw, G., Hoste, V., & Daelemans, W. (2015). Proof-of-concept experiments for the fine-grained classification of cyberbullying events. Computational Linguistics in the Netherlands. Presented at the 25th Computational Linguistics conference in the Netherlands (CLIN).
- Van Hee, C., Lefever, E., Verhoeven, B., Mennes, J., Desmet, B., De Pauw, G., Daelemans, W., et al. (2015). Automatic detection and prevention of cyberbullying. In P. Lorenz & C. Bourret (Eds.), International Conference on Human and Social Analytics, Proceedings (pp. 13–18). Presented at HUSO 2015, IARIA.
- Van Hee, C., Lefever, E., Verhoeven, B., Mennes, J., Desmet, B., De Pauw, G., Daelemans, W., et al. (2015). Detection and fine-grained classification of cyberbullying events. In G. Angelova, K. Bontcheva, & R. Mitkov (Eds.), Proceedings of Recent Advances in Natural Language Processing, Proceedings (pp. 672–680). Presented at the International Conference on Recent Advances in Natural Language Processing (RANLP).
- Van Hee, C., Lefever, E., & Hoste, V. (2015). LT3: sentiment analysis of figurative tweets: piece of cake #NotReally. Proceedings of SemEval-2015, the 9th International Workshop on Semantic Evaluations, Proceedings (pp. 684–688). Presented at SemEval-2015, Association for Computational Linguistics.

V publications

- Van Hee, C., Lefever, E., & Hoste, V. (2016). Guidelines for Annotating Irony in Social Media Text, version 2.0. LT3 Technical Report Series.
- Van Hee, C., Verhoeven, B., Lefever, E., De Pauw, G., Daelemans, W., & Hoste, V. (2015). Guidelines for the fine-grained analysis of cyberbullying, version 1.0. LT3 Technical Report Series.

2. Reviewing

• Member of program committees

- *TA-COS (Text Analytics for Cybersecurity and Online Safety) workshop, May 2016, Portorož, Slovenia.*

• Reviewing for international conferences:

- TA-COS workshop, May 2016, Portorož, Slovenia.
- EMOSEDE (Emotion and Sentiment Detection) workshop, November 2016, Barcelona, Spain.
- SemEval-2015, June 2015, Denver, Colorado, USA.
- SemEval-2014, August 2014, Dublin, Ireland.

• Contribution to international conferences/shared tasks

- Organisation of the SemEval-2018 shared task on Automatic Irony Detection in English Tweets.
- Participation to SemEval-2015, Denver, Colorado, USA, Task 11: Sentiment Analysis of Figurative Language in Twitter.
- Participation to SemEval-2014, Dublin, Ireland, Task 9: Sentiment Analysis in Twitter.
- Session chair at ATILA 2016 (annual conference on Computational Linguistics by the Universities of Ghent, Antwerp, Nijmegen and Tilburg), Nijmegen, The Netherlands.

3. Oral presentations

- Van Hee, C. Jacobs, G., Emmery, C., Desmet, B., Lefever, E., Verhoeven, B., De Pauw, G., Daelemans, W., & Hoste, V. (2016). Automatic Detection of Cyberbullying in Social Media Text. Presented at the AMiCA closing event on December 9, 2016.
- Van Hee, C., Verleye, C., & Lefever, E. (2016). Analysing emotions in social media coverage on Paris terror attacks : a pilot study. Presented at HUSO 2016, IARIA.
- Van Hee, C., Lefever, E., & Hoste, V. (2016). Exploring the realization of irony in Twitter data. Presented at CLIN (Computational Linguistics in the Netherlands) 2016.
- Van Hee, C., Lefever, E., & Hoste, V. (2016). Monday mornings are my fave : #not exploring the automatic recognition of Irony in English tweets. Presented at ATILA 2016.
- Van Hee, C., Lefever, E., & Hoste, V. (2016). Exploring the realization of irony in Twitter data. Presented at the Language Resources and Evaluation Conference, European Language Resources Association (ELRA) 2016.
- Van Hee, C., Lefever, E., Verhoeven, B., Mennes, J., Desmet, B., De Pauw, G., Daelemans, W., et al. (2015). Detection and fine-grained classification of cyberbullying events. Presented at the International Conference Recent Advances in Natural Language Processing (RANLP) 2015.
- Van Hee, C., Verhoeven, B., Lefever, E., De Pauw, G., Hoste, V., & Daelemans, W. (2014). Data set construction and exploratory experiments for cyberbullying detection. Presented at ATILA 2014.
- Hoste, V., Daelemans, W., De Pauw, G., Lefever, E., Desmet, B., Schulz, S., Verhoeven, B., et al. (2014). Natural language processing for internet security: the AMiCA project. Presented at CLIN 2014 (Computational Linguistics in the Netherlands).

4. Poster presentations

- “Monday mornings are my fave: #not exploring the automatic recognition of Irony in English tweets” (with Els Lefever and Véronique Hoste). Presented at CLIN 2017 (Computational Linguistics in the Netherlands conference), Leuven, Belgium.
- “Monday mornings are my fave: #not exploring the automatic recognition of Irony in English tweets” (with Els Lefever and Véronique Hoste). Presented at Coling 2016 (International Conference on Computational Linguistics), Osaka, Japan.
- “Exploring the realization of irony in Twitter data” (with Els Lefever and Véronique Hoste). Presented at LREC 2016 (Conference on Language Resources and Evaluation), Portorož, Slovenia.
- “LT3: sentiment analysis of figurative tweets: piece of cake #NotReally” (with Els Lefever and Véronique Hoste). Presented at SemEval-2015 (co-located with Naacl 2015), Denver, Colorado, USA.
- “LT3: Sentiment Classification in User-Generated Content Using a Rich Feature Set” (with Marjan Van de Kauter, Orphée De Clercq, Els Lefever and Véronique Hoste). Presented at SemEval-2014, Dublin, Ireland.