Curriculum Vitae

Dirk Hovy
dirk.hovy@unibocconi.it

Employment

Since 2023	- Full professor with tenure, Computing Sciences department, Bocconi University, Milan, Italy
2022 – 2023	- Associate professor with tenure, Computing Sciences department, Bocconi University, Milan, Italy
2018 – 2022	- Associate professor with tenure, Marketing department, Bocconi University, Milan, Italy
2016 – 2018	- Associate professor of computer science, University of Copenhagen, Denmark
2013 – 2016	- postdoc in LOWLANDS project, Center for Language Technology, University of Copenhagen, Denmark
2008 – 2013	- research assistant, USC's Information Sciences Institute

Education

2008 – 2013	- PhD, University of Southern California, USA. Thesis: *Learning Semantic Types and Relations from Text.* Supervisor: Jerry R. Hobbs
2007 – 2008	- study of computational linguistics at Saarland University, Saarbrücken, Germany
2001 – 2006	- Magister (M.A.), German and English linguistics and Linguistic Engineering, Marburg University, Germany. Thesis: *Language Change in the metropolitan area.* Supervisor: Jürgen-Erich Schmidt

Publications

h-index: **44**	- Full list: https://scholar.google.com/citations?user=7xluaTAAAAAJ&hl=en&oi=ao

Selected Works
- **Hovy, Dirk**, Berg-Kirkpatrick, T.; Vaswani, A.; Hovy, E. 2013. *Learning Whom to Trust with MACE*. Proceedings of the 2013 Conference of the North American Chapter of the Association for Computational Linguistics. Pp. 1120–1130.
- **Hovy, Dirk**. 2015. *Demographic Factors Improve Classification Performance*. Proceedings of the Association for Computational Linguistics. Pp. 752–762.
- **Hovy, Dirk**; Søgaard, A. 2015. *Tagging Performance Correlates Negatively with Author Age*. Proceedings of the Association for Computational Linguistics. Pp. 483–488.
- **Hovy, Dirk**; Spruit, S. L. 2016. *The Social Impact of Natural Language Processing*. Proceedings of the Association for Computational Linguistics. Pp. 591–598.
- Waseem, Z.; **Hovy, Dirk**. 2016. *Hateful Symbols or Hateful People? Predictive Features for Hate Speech Detection on Twitter.* Proceedings of the NAACL student research workshop. Pp. 88–93.
- Benton, A.; Mitchell, M.; **Hovy, Dirk**. 2017. *Multitask Learning for Mental Health Conditions with Limited Social Media Data*. Proceedings of the 15th Conference of the European Chapter of the Association for Computational Linguistics. Pp. 152–162.
- Paun, S.; Carpenter, B.; Chamberlain, J.; **Hovy, Dirk**; Kruschwitz, U.; Poesio, M. 2018. *Comparing Bayesian Models of Annotation*. Transactions of the Association for Computational Linguistics. Pp. 571–585. MIT Press.
- Shah, D.; Schwartz, H. A.; **Hovy, Dirk**. 2020. *Predictive Biases in Natural Language Processing Models: A Conceptual Framework and Overview*. Proceedings of Association for Computational Linguistics. Pp. 5248–5264.
- Bianchi, F.; Terragni, S.; **Hovy, Dirk**. 2021. *Pre-training is a Hot Topic: Contextualized Document Embeddings Improve Topic Coherence*. Proceedings of the Association for Computational Linguistics, International Joint Conference on Natural Language Processing. Pp. 759–766.
- **Hovy, Dirk**; Yang, D. 2021. *The Importance of Modeling Social Factors of Language: Theory and Practice*. Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics. Pp. 588–602.

Grants and Awards

2023	- Google research grant, PI ($70,000)
2022	- Bocconi Teaching Innovation award (5000 EUR)
	- MUR FARE grant INDOMITA, PI (288K EUR)
	- Fondazione Cariplo grant MENTALISM, co-PI
2021	- Google research grant, PI ($40,000 plus $12,500 in Google Cloud Credits)
2020	- ERC Starting Grant INTEGRATOR, PI (1.5M EUR)
2019	- Riksbankens Jubileumsfond MiMAC, co-PI (1.1M EUR total, 248K EUR as co-PI)
2018	- Twitter Health Metrics grant, co-PI ($1.3M total, 190K EUR as co-PI)
	- Faculty research grant, marketing department Bocconi, PI (10,000 EUR as PI)
2017	- NVIDIA GPU grant, PI ($1500 equivalent GPU donation as PI)
2016	- Eurostar grant RePROSIS, co PI (1,313,363 EUR total, 236K EUR as co-PI)
2015	- CCC (Center for Communication and Computing) grant for talk series Computational Sociolinguistics (19,000 DKK as co-PI)
	- Best paper at WNUT workshop (out of 26 accepted submissions)
2014	- Carlsberg Fund infrastructure grant (18,389 EUR as co-PI)
	- best long paper award, *SEM (out of 23 accepted submissions)
	- best long paper award, EACL (out of 79 accepted submissions)
2010	- best presentation, 5th Intelligent Systems Division Student Symposium

Professional Service

Institutional	- Scientific Director, Data and Marketing Insight research unit, Bocconi University, since 2018
	- Founding department committee member Computing Sciences department, 2021
	- Job market committee Computing Science department, 2022, 2024
Trust	- Founding Member ACL Professional Conduct Committee (2018 – 2022)
Editorial	- Ethics review editor in chief, ACL Rolling Review 2022
	- Action editor Transactions of the Association for Computational Linguistics (since 2020)
	- Co-editor of a *Frontiers* special issue on Computational Sociolinguistics (2019)

Conferences	- SAC Ethics at ACL 2024
	- SAC Low-Resource languages at EACL 2024
	- AC Ethics EMNLP 2024
	- Ethics chair ACL 2023
	- Ethics board advisor NAACL 2022
	- Senior area chair Ethics in NLP, ACL-IJCNLP 2021
	- Ethics advisory board EMNLP 2020
	- Ethics advisory board Coling 2020
	- Senior area chair Ethics in NLP, ACL 2020
	- Senior area chair Computational Social Science, EMNLP 2019
	- Area co-chair ACL 2019
	- Diversity and Integration committee NAACL 2019
	- Area co-chair EMNLP 2018
	- Local organizer EMNLP 2017
	- Area co-chair NAACL 2016
	- Area co-chair EMNLP 2016
Workshops and shared tasks	- 2024: NLP+CSS at NAACL
	- 2023: Cultural Considerations in NLP at EACL
	- 2022: NLP+CSS at EMNLP
	- 2020: NLP+CSS at EMNLP
	- 2019: NLP+CSS at NAACL
	- 2018: Ethics in NLP at NAACL
	- 2017: Ethics in NLP at EACL; NLP+CSS at ACL; Abusive Language Workshop at ACL
	- 2016: SemEval shared task 10, DiMSUM; NLP and Computational Social Science (NLP+CSS) at EMNLP
Tutorials	- 2023: Tutorial "Ethics in NLP", ALPS workshop
	- 2020: Tutorial "Ethics in NLP", GSCL Ethik Workshop
	- 2020: Tutorial "Integrating Ethics into the NLP Curriculum" at ACL (with Emily Bender and Xanda Schofield)
	- 2019: Tutorial "Ethics in NLP", CLiC-IT conference
	- 2014: Tutorial "Selection Bias, Label Bias, and Bias in Ground Truth" at Coling (with Barbara Plank and Anders Søgaard)
Reviewing	- Action editor TACL, JCR, ACL, NAACL, Computational Linguistics, EMNLP, LREC, WWW, IJCAI, ESSLLI

Teaching Experience

2024	- Natural Language Processing, 48 hrs
	- Language Technology, 64 hrs
	- PhD Seminar Computational Social Science, 12 hrs
2023	- Natural Language Processing, 48 hrs
	- PhD Seminar Computational Social Science, 12 hrs
2022	- Natural Language Processing, 48 hrs
	- PhD seminar Text Analysis, 24 hrs
	- PhD Seminar Computational Social Science, 12 hrs
2021	- Natural Language Processing, 48 hrs
	- PhD seminar Text Analysis, 24 hrs
	- PhD Seminar Computational Social Science, 12 hrs
2020	- Natural Language Processing, 48 hrs
	- PhD Methods seminar, 24 hrs
	- Social Media Marketing, 36 hrs
	- Marketing Research, 34 hrs
2019	- Social Media Marketing (co-taught with Gaia Rubera), 2 sections á 3hrs/week
	- Natural Language Processing, 48 hrs
	- PhD Methods seminar, 12 hrs
2018	- Social Media Marketing (co-taught with Gaia Rubera), 2 sections á 3hrs/week
2016	- Scientific Programming (with TA Joachim Bingel), 3hrs/week
	- supervision of 2 MSc theses
2015	- Scientific Programming (co-taught with Anders Johannsen and Zeljko Ágic), 3hrs/week
	- Language Processing 2 (with Barbara Plank), 3hrs/week
	- Supervision of 6 MSc theses
	- Supervision of 3 term projects
2014	- Scientific Programming (with Anders Johannsen), 3hrs/week
2012	- Teaching Assistant Introduction to Natural Language Processing, CS544
	- Two half-day workshops Programming in Python for Linguists
2005/2006	- Web Publishing I (with Jan Königsfeld)

Supervision

PhD supervision	- Serena Pugliese (graduated 2022)

PhD committees	- Marzieh Saeedi (UCL)
	- Francesco Barbieri (Pompeu Fabra)
	- Adrian Benton (JHU)
	- Stefano Menini (FBK Trento)
	- Chandler May (JHU)
	- Farzana Rashid (NTU)
	- Marco Del Tredici (University of Amsterdam)
	- Samson Tan (NUS)
	- Kilian Theil (University of Mannheim)
	- Caitlin Doogan (Monash University)
	- Christine DeCock (Cambridge University)
	- Mali Jin (Sheffield University)
MSc candidates	Over 30

Invited Talks and Panels

2023	- University of Cambridge
	- SAPEA scoping meeting, Brussels
	- Queen Mary University London
	- University of Vienna
	- Workshop at IT University Copenhagen
	- Workshop at University of Groningen
	- University of Darmstadt
	- Keynote WOAH workshop at ACL
	- Keynote SODAS-NLP workshop University of Oxford
	- Keynote FEVER workshop at EACL
	- University of Padova
	- University of Gothenburg
	- ALPS workshop tutorial
	- IT University Copenhagen
2022	- University of Bologna
	- University of Bern
	- University of Hamburg
	- University of Sheffield
	- University of Brescia
	- German Society of Computational Linguistics
	- University of Bergen
	- Keynote WASSA workshop
	- Keynote AI and Fairness workshop, Bocconi
	- Keynote Digital Humanities Symposium Tilburg

2021	-	Keynote ALTA conference
	-	Keynote NLP4AI workshop at AIxIA
	-	Zurich University
	-	Saarland University
	-	Austrian Centre for Digital Humanities and Cultural Heritage
	-	University of Gothenburg
	-	University of Mannheim
	-	University of Granada
2020	-	University of Edinburgh
	-	IT University Copenhagen
	-	Keynote TALN workshop
	-	Educational Testing Services
	-	KAIST
	-	Keynote GeBNLP workshop
	-	University of Amsterdam
	-	Johns Hopkins University
	-	TU Darmstadt
	-	Cambridge University
	-	Dataminr
2019	-	Uppsala University
	-	Queen Mary University London
	-	Bloomberg London
	-	Future of AI workshop, Cambridge University
	-	Computational Humanities Summer School
	-	Summer Institute CIFAR
	-	EurNLP keynote
	-	University of North Carolina
	-	NYU
	-	Stonybrook University
	-	Google New York
	-	Spotify
2018	-	Panel SLT conference
	-	INRIA Lille
	-	Panel NAACL industry track
	-	Stuttgart University
	-	TEDx Bocconi Milan
	-	Carnegie Mellon University
	-	Keynote PEOPLES workshop
	-	ARL Aberdeen

2017	- Workshop Villa Vigoni
	- Google Research Zurich
	- Keynote WNUT workshop at EMNLP
	- Google NLP Workshop NYC
	- CLARIN network meeting Kaunas
	- Ruhr-University Bochum
	- Keynote SocialNLP workshop at EACL
	- Data Science Day, Microsoft Copenhagen
2016	- Royal Library Copenhagen
	- University of Pennsylvania
	- Army Research Lab Aberdeen
	- University College London (UCL)
	- University of Sheffield
	- University of Cambridge
	- Georgetown University
	- University of Massachusetts at Amherst
	- Fondazione Bruno Kessler, Trento
2015	- University of Amsterdam
	- Johns Hopkins University
	- University of Heidelberg
	- University of Potsdam
	- School of Informatics, Edinburgh
	- University of Stuttgart
	- Columbia University
	- European Commission Joint Research Centre (JRC)
2014	- Ludwig-Maximilian Universität (LMU) München
	- UNED, Madrid
	- Information Sciences Institute (ISI), Los Angeles
	- University of Oxford
	- University College London (UCL)
2013	- Carnegie Mellon Univeristy, Pittsburgh
	- University of Amherst, Massachussetts
	- Copenhagen Business School
2012	- University of Copenhagen
	- University of California at San Diego
2011	- University of Darmstadt

Professional Memberships

- ACL (Association for Computational Linguistics)
- AILC (Associazione Italiana di Linguistica Computazionale)
- ELLIS (European Laboratory for Learning and Intelligent Systems)

Relevant Work Experience

2012	- design and administration www.naaclhlt2012.org, ACL
2011	- summer intern, IBM research T.J Watson, Hawthorne, Deep QA group. Developed UIMA annotator to identify temporal links for KR and temporal reasoning - participant in Machine Reading Project evaluation (at IBM), applying model developed during internship
2010	- participant in Machine Reading Project evaluation, administration of ISI component
2009	- co-organizer, ISI Intelligent Systems Division's 4th annual Grad Student Symposium
2008	- student assistant, MUSING project, DFKI (German Research Centre for Artificial Intelligence), development temporal domain ontology
2007	- student assistant, progressima s.r.l., Saarbrücken, Germany: web-programming - visiting research assistant, Information Sciences Institute of the University of Southern California, USA - design, implementation www.ckid.org, ISI - design, implementation www.dgo2008.org, ISI;
2005	- web developer, Virtual Linguistic Campus (VLC), Marburg university, Germany: administration tools and database structure - developer, Linguistics Online, Marburg university, Germany: picture database and according administration tools
2004	- web development, Virtual Centre for Teacher Training (VCT), administration tools and database structure
2003 – 2006	- research assistant, Deutscher Sprachatlas, University of Marburg: digitization of dialect maps and recordings

Languages

German   native language

English	fluent in writing and speaking (TOEFL IbT score: 117/120)
Danish	good knowledge (level 4)
Swedish	good knowledge
Dutch	good knowledge
Italian	good knowledge
French	basic knowledge
Spanish	basic knowledge
Latin	advanced Latin exam

Computer Skills

Languages:	Python, Java, PHP, HTML/XML, MySQL
Applications:	Eclipse, LaTeX, Adobe Photoshop

Personal

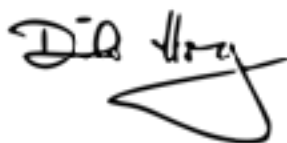|	
Born in:	Darmstadt, Germany
Citizenship:	German
Email:	mail@dirkhovy.com
Web:	http://www.dirkhovy.com
Interests:	Natural Language Processing, machine learning, computational social science
Hobbies:	cooking, running, leather crafting

For more information, see also http://www.dirkhovy.com/cv/

Milan, Monday, 13 May 2024