Vitæ



Matt Coler

Vitæ

1 General Overview

1.1 Contact information

Email | Address | Homepage | ORCID | LinkedIn

1.2 Employment and positions

2020-present	Associate Professor at the University of Groningen
2016-2020	Assistant Professor at the University of Groningen
2012–2016	Head, Cognitive Systems at Innovation Center for Sensor Systems
2012-2013	Instructor at the University of Applied Sciences Amsterdam
2011–2012	Postdoctoral Scientist at Free University Amsterdam
2006-2010	Doctoral Researcher at Free University Amsterdam

1.3 Additional affiliations

2025–present Member, International Speech Communication Association (ISCA) Special Interest Group

on Speech Synthesis (SynSIG)

2025–present Member, Council of the Center for Research on Culture, Language & Mind (Centrum Badań

nad Kulturą, Językiem i Umysłem)

2025-present Management Committee Member, GRADE COST Action CA21141

2023-present WG Member, Ethics in Responsible Research Assessment for Data & AI -- CoARA

2023–2024 <u>Vice Chair</u>, LITHME COST Action CA19102 (€650k+ budget)

2022-present Startup Advisor, Voiseed srl.

2021-present Board Member, Stichting Open Spraak Technologie

2020-present Board Member, Center for Research and Practice in Cultural Continuity -- University of

Warsaw

2018–present H2020 Evaluator & Rapporteur for Research Executive Agency, European Commission

2016–present Associated Member, CNRS UMR 2563 -- Laboratoire Travail et Cognition 2014–present Expert Panelist (Cultural Anthropology & Linguistics), National Science Foundation

1.3 Education

2007–2010	PhD Linguistics, Free University Amsterdam
2006–2007	MA Linguistics (cum laude), Free University Amsterdam
2002-2003	Philosophy (major) and Mandarin Chinese (minor), University of Massachusetts

1.4 Training

2024	Senior Teaching Qualification (STQ). GPT in the classroom
2024	Al Empathy & Ethics. University of California MOOC
2023	AI: Ethics & Societal Challenges. Lund University MOOC
2019	University Teaching Qualification (UTQ)

1.5 Short bio

Matt Coler received his PhD from the Free University of Amsterdam in the Netherlands in 2010. After a postdoctoral appointment at his alma mater, he joined an AI start-up focusing on acoustic sensors, where he served as head of the cognitive systems unit. In 2012 he returned to academia. Dr Coler is currently an Associate Professor of Speech Technology at the Faculty Campus Fryslân at the University of Groningen where he works as the Director of the MSc Voice Technology program and the Department Head of Technology, Governance & Innovation.

2. Funding acquisition

The content below includes only large-scale funding acquired. Small grants for feasibility studies, virtual exchange, and similar projects are not included.

2023–2024 Language in the Human-Machine Era - LITHME COST Action CA19102. Vice-Chair.

Collaborated on White Paper, short-term scientific missions, guest lectures, and similar

Activities.

2017–2025 H2020-MSCA-RISE-2017 Minority Languages, Major Opportunities. Collaborative

Research, Community Engagement and Innovative Educational Tools - COLING. 1.58M€ of

which 189k€ is for my team. Additional funding provided to send all my PhD students to the Smithsonian Institute (Washington, D.C.) for up to six months each. Additional funding to facilitate student/staff exchange at international partner institutes. I serve as a member of the Steering Committee and as a Work Package Leader.

2016 - 2019 H2020-FET-Open - Phoenix: Exploring the Unknown through Reincarnation and Co-evolution. 3.6M€ of which 237k€ was for my team. Project involves developing

successive generations of evolving hardware to explore inaccessible environments. I was a Work Package Leader and Management Team Member.

2016 - 2019 Polish Science Foundation TEAM - Language as a cure: linguistic vitality as a tool for

psychological well-being, health and economic sustainability. 814k€.

2015 - 2018 Interreg VA ID3AS - Acoustic event detection. 9.75M€ of which 200k€ was for my team.

3. Academic Leadership

3.1 Management Positions

2025-present Campus	Department Head, Technology, Governance & Innovation Department, Faculty
•	Fryslân, University Groningen
2023–2025 Groningen	Chair of the Faculty Research Institute, Faculty Campus Fryslân, University
2021–2025 Fryslân,	Chair of the Admissions Board, MSc Speech Technology, Faculty Campus
	University Groningen
2021–2023	Director of the Graduate School, Faculty Campus Fryslân, University Groningen
2021–2022	Member of the Extended Board, Faculty Campus Fryslân, University Groningen
2018–2022	Admissions Board Member University College Fryslân
2018–2020	Chair of Ethics Committee, Faculty Campus Fryslân, University Groningen
2018–2025 Campus	Department Head, Language, Technology and Culture Department, Faculty
	Fryslân, University Groningen

3.2 Scientific Service

3.2.1 Conference Leadership

2026 Performance,	Program Committee, Speech Language Models in Low-Resource Settings:
·	Evaluation, and Bias Analysis, co-located with LREC 2026.
2026	Scientific Committee, Inter'l Conference of the Assoc. for Linguistic Typology
2025	Keynote Address, <u>Breakthrough Conference</u> at the University of Warsaw:
Speaking	
	Machines and Living Languages
2025	Organizing Committee, Interspeech Speech Synthesis Workshop
2025	Organizing Committee, Interspeech Blizzard Challenge
2025	Scientific Committee, Conference on Frisian Humanities
2024 Era'	Co-organizer, 4th International Conference 'Language in the Human-Machine
	(LITHME), 'Exploring the Dark Side of Future Language Technologies: Linguistic
	(In)security, Ethics, and Privacy in the Human-Machine Era'
2024	Co-organizer, Speech Tech Summer School II (Charting New Futures). Campus
Fryslân.	
2024	Co-organizer, Dutch Speech Tech Day II
2023	Co-organizer, Dutch Speech Tech Day I
2023	Organizer, Speech Tech Summer School I. Campus Fryslân
2023	Organizer, 3rd International Conference 'Language in the Human-Machine Era'.
Campus	
	Fryslân.
2022	Scientific Committee, 2nd Conference on Frisian Humanities
2021	Organizer and ambassador. Mozilla Contribute-a-thon: Frisian vs Dutch speech contributions
2020	Program Committee, Joint SIG on Under-Resourced Languages, LREC
2019	Chair, SLTU-CCURL at LREC
2019	Chair, ICLaVE-10 "Diaspora languages"
2019	Chair, COLING "Language Tech for Minority Languages"
2018	Chair, COLING "Language Tech for Minority Languages"
2017	Track Chair, EvoStar2017
2015	Session Chair, EuroNoise
2013	Chair, Big Data CEEDS, Google London
3.2.2 Servi	ce to academia

2025	External Reviewer, Toulouse Safe Place for Science Program - International
rescue	
	fellowship program for academically impeded researchers
2025	Award Committee Member, GUF-100 prize for Campus Fryslân alumnus
2024	Stakeholder Board Member, Fryske Akademy Audit
2019-present	Open Access Ambassador for Faculty Campus Fryslân

2022 Keynote Speaker, Celebrating openness: Open Research Award. Open by

Design:

Campus Fryslân's new MSc Voice Technology

2020 Award Committee Member, GUF-100 prize for Campus Fryslân alumnus 2017 Scientific Committee Member, Engaged Humanities (H2020-ENGHUM2017)

3.2.3 Journal & Conference Reviewing (recent)

Journal reviewer (recent only): Computer Speech & Language, Applied Acoustics, Folia Linguistica, PLOS One, Open Linguistics, Revista Lenguaje, Linguistics and Philosophy.

Book reviewer: Open Text Collections (Lang Science Press) series editor and reviewer.

Conference reviewer (recent only): ICASSP 2025, Syntax of the World's Languages (SWL X 2025), ELRA/ISCA Special Interest Group on Under-Resourced Languages (SIGUL 2022, 2024), Interspeech Young Female Researchers in Speech Workshop (YFRSW 2024, 2025), 16th International Conference of the Association for Linguistic Typology (ALT-2026)

3.3 Focus on Ethics

2025 Member, ISCA Ethics Committee

2025 Ethics Chair, INTERSPEECH 2025 – Overseeing ethical standards and practices

for the

26th Interspeech Conference, themed "Fair and Inclusive Speech Science and

Technology," held August 17–21, 2025, in Rotterdam, The Netherlands.

2024 Co-organizer, Exploring the Dark Side of Future Language Technologies:

Linguistic

(In)security, Ethics, and Privacy in the Human-Machine Era

2023-present Working Group Member, Coalition for Advancing Research Assessment (CoARA)

- Ethics

and Research Integrity Policy in Responsible Research Assessment for Data and

Artificial Intelligence (ERIP)

2018-2020 Chair of Ethics Committee, Faculty Campus Fryslân, University Groningen

3.4 Research Network & Leadership

3.4.1 EU Research Leadership

LITHME COST Action CA19102 — Vice Chair (2023-2024)

- Led 300+ researcher network across 39 countries.
- Achieved "excellent" final evaluation
- Published forecast report with 4000+ downloads, 40+ citations

- Established permanent Special Interest Group (200+ members)
- Connected academia with industry (ReadSpeaker, Nvidia)
- Developed Marie Skłodowska-Curie proposal scoring 94.6%

GRADE COST Action CA21141 — Management Committee Member (2025-present)

- Shaping Al Ethics and Governance policy
- Netherlands representative in European network

3.4.2 Major EU Project Leadership

H2020-FET-Open Phoenix Project

- Management Team Member & Work Package Leader
- Advanced evolving hardware technologies for extreme environments

H2020-MSCA-RISE COLING Project

- Steering Committee Member & Scientific Coordinator
- Established international research exchange with Smithsonian Institute

3.4.3 European Policy and Research Leadership

2025 Invited Speaker at "Regional and Minority Languages: Game Changer in the Digital

World?" Expert contribution on speech technology and minority language preservation for

European Region Tyrol-South Tyrol-Trentino representation, Brussels

2025 EuropaPact Fryslân Delegate at European Week of Regions and Cities (EWRC), Brussels

- Digital Innovation Valleys and EU Cohesion Policy reform expertise
- Strategic Technologies for Europe Platform (STEP) engagement
- Twin transition implementation (digital transformation + sustainability)

2023 Invited speaker. Brussels European Commission Event. KCI Virtual Café, European Day of

Languages (26th September 2023) – "Languages, skills and technologies for economic growth".

2023–present Working Group Member, Coalition for Advancing Research Assessment (CoARA) 2018–present European Commission Research Executive Agency, H2020 Evaluator & Rapporteur. Expert

evaluator for language technology and ethics proposals

3.5 Department Head:

As Department Head, I provide leadership and oversight for an interdisciplinary cohort of academic staff, curriculum development, and departmental initiatives.

3.5.1 Senior staff supervision

In my capacity as department head, I supervise(d) managed a team of 40+ professors, associate professors, assistant professors, postdoctoral researchers and PhD scientists.

3.5.2 PhD supervision (current)

The list below are PhD students which I serve as a member of the supervisory team.

Student	Institution	Defense
D. Leix Palumbo	Uni of Groningen (NWO)	2028
R. Amooie	Uni of Groningen	2027
A. Kargakis	Uni of Groningen	2027
Z. Li	Uni of Groningen	2027
F. Hopwood	Uni of Groningen	2026
X. Gao	Uni of Groningen	2025
C. Sandoval	University of Lisbon	2025

3.5.2 PhD supervision (defended)

9 PhD students successfully defended on time and within budget

Student	Thesis	Institution	Defense Year
P. Do	Praat mar Frysk: Speech synthesis for low-resource languages with cross-lingual transfer learning	Faculty Campus Fryslân, Uni of Groningen	2025
Y. Wang	A contrastive study on the representation of "Made in China" in Chinese and U.S. newspapers	Faculty of Arts, Uni of Groningen	2023

M. Everhardt	Non-native prosody perception in cochlear implant-simulated speech	Faculty of Arts, Uni of Groningen	2023
B. Dijkstra	Multilingual communication strategies in the workplace: an ethnographic study of practices and ideologies in logistics	Faculty of Arts, Uni of Groningen	2023
V. Boswijk	The salient elephant in the room	Faculty Campus Fryslân, Uni of Groningen	2022
G. Pinto de Faria Junior	A Grammar of the Bakairi Language	Faculty of Arts, VU Amsterdam	2022
J. Amelsvoort	A Europe of Connections: Post-National Worlds in Contemporary Minority Literature	Faculty Campus Fryslân, Uni of Groningen	2021
V. Verkhodanova	More than words: Recognizing speech of people with Parkinson's disease	Faculty Campus Fryslân, Uni of Groningen	2021
E. Bild	Understanding the urban auditory experience: linking uses, users, and environments	Faculty of Social and Behavioral Sciences, Uni of Amsterdam	2019

3.5.3 MSc Supervision

A detailed overview of recent MSc theses I supervised can be found here.

2025	3 theses
2024	5 theses (1 cum laude)
2023	13 theses (2 cum laude)
2022	8 theses

3.6 Educational Program Leadership

3.6.1 Educational programs co-developed

- 1. MSc Voice Technology (development team lead) program approved by the Dutch Ministry of Science with perfect score
- 2. BSc Data Science & Society (development team member)
- 3. BSc Global Responsibility & Leadership (development team member)

3.6.2 Courses (Co-)developed

Graduate courses:

- Introduction to Voice Technology
- Thesis Design
- Speech Synthesis I, II
- Speech Recognition I, II
- Python for Speech Tech
- Machine Learning for Speech Tech
- Research Design

Undergraduate courses:

• Culture 100, 200

4 Teaching

2021–2026	Research Design (graduate), University of Groningen
2020–2025	Culture 200 (undergraduate), University of Groningen (student score: 8.6/10)
2023	Intro to Speech Tech (graduate), University of Groningen
2018–2020	Culture 100 (undergraduate), University of Groningen
2015	Sensors tech (undergraduate), TU/Eindhoven
2013–2014	Communication (var.), University of Applied Sciences
2012	Anthropological Linguistics (undergraduate), VU Amsterdam

5 Publications

I have (co-)authored 75+ publications, including 4 books, 13 book chapters, 20 articles on language and technology, 5 articles on language and cognition, and 20+ conference proceedings. My work appears in respected academic presses including Brill, Benjamins, Language Science Press, Oxford University Press, and Springer. For a complete list see here.

6 Press

09/18/2025	Omrop Fryslân - Een computerstem in het Bildts: "Dit is de toekomst" (valorizing
	collaborative research into speech tech for small languages)
09/07/2025	NRC - Everyone can sound like a Frisian (profile of my PhD student)
09/03/2025	Digital Competence Center University of Groningen blog - Protecting voices.
<u>sharing</u>	
	knowledge: responsible data practices in speech research An interview with Dr.
	Matt Coler

08/21/2025 Omroep Leeuwarden - De stem van Friesland: van Fries tot Bildts 07/07/2025 Trouw - Hoe leert een Al-stem om artikelen voor te lezen? 03/24/2025 University of Groningen Magazine - Beyond 'Hey Siri': towards inclusive speech technology. 06/25/2024 The Guardian - Why 'emotional Al' is fraught with problems 06/22/2024 EW Magazine - Een robot die sarcasme herkent, wat is dat nou weer? 06/16/2024 Podcast Interview. ISCA Podcast 05/21/2024 EUroNews - Al can detect sarcasm now. Great 05/21/2024 BBC Radio 5 Live in the UK - sarcasm detector. Audio interview 03/20/2024 RTV Noord - Onderzoekers RUG ontwikkelen, met behulp van Friends, een sarcasmedetector 03/20/2024 Leeuwarder Courant - Waarom wetenschappers uit Leeuwarden een sarcasmedetector 03/20/2024 BBC Radio 4 The World this Weekend - Sarcasm detector (starts at 25'). Audio interview. 05/11/2024 Popular Science - Neural network trained on 'Friends' can recognize sarcasm CBC Radio 1 "As It Happens with Nil Köksal, Chris Howden" - Sarcasm detector 05/16/2024 CBC Radio 1 "As It Happens with Nil Köksal, Chris Howden" - Sarcasm detector 05/16/2024 NOS - Computer herkent sarcasme steeds beter Interesting Engineering - 'Sarcasm detector'. Scientists finally create Al that can understand a joke. 05/16/2024 UEreakAlert - Building a better sarcasm detector 05/01/2023 Speaker, Tech Update: Speech Technology. De Media Federatie. UG Open Science Blog - Open by Design: Campus Fryslân's new MSc Voice 1 Eureahalert - Een betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie 07/05/2021 UKrant - Len betere kwaliteit van leven met spraaktechnologie	08/28/2025	Leeuwarder Courant - Voor het eerst spreekt een computerstem vloeiend Bildts
07/07/2025 Trouw - Hoe leert een Al-stem om artikelen voor te lezen? 03/24/2025 University of Groningen Magazine - Beyond 'Hey Siri': towards inclusive speech technology. 06/25/2024 The Guardian - Why 'emotional Al' is fraught with problems 06/22/2024 EW Magazine - Een robot die sarcasme herkent, wat is dat nou weer? 06/16/2024 Podcast Interview. ISCA Podcast 05/22/2024 EuroNews - Al can detect sarcasm now. Great 05/21/2024 BBC Radio 5 Live in the UK - sarcasm detector. Audio interview 03/20/2024 RTV Noord - Onderzoekers RUG ontwikkelen, met behulp van Friends, een sarcasmedetector 03/20/2024 Leeuwarder Courant - Waarom wetenschappers uit Leeuwarden een sarcasmedetector 05/19/2024 BBC Radio 4 The World this Weekend - Sarcasm detector (starts at 25'). Audio interview. 05/19/2024 Popular Science - Neural network trained on 'Friends' can recognize sarcasm 05/16/2024 CBC Radio 1 "As It Happens with Nil Köksal, Chris Howden" - Sarcasm detector 05/16/2024 The Guardian - Researchers build Al-driven sarcasm detector 05/16/2024 NOS - Computer herkent sarcasme steeds beter 05/16/2024 Interesting Engineering - 'Sarcasm detector': Scientists finally create Al that can understand a joke. 05/01/2021 Use Speaker, Tech Update: Speech Technology. De Media Federatie. UG Open Science Blog - Open by Design: Campus Fryslân's new MSc Voice Technology 05/01/2021 Verbindt - Een betere kwaliteit van leven met spraaktechnologie 03/05/2021 UKrant - Language is the key to a culture Podcast Interview. GlobalCast. Voice technology. Scientific and professional insights	08/21/2025	
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about my PhD student, Bianca Dijkstra

09/21/2017 NPO Radio5 - Fries en Nederlands groeien uit elkaar

MSc Supervision (detailed)

MSc Supervision (detailed)

- 2025 Siu, Stella. *Speaking Volumes: How Acoustic Features Reveal Speaker Height.*Master thesis, Voice Technology.
- 2025 Naazeri, Hiva. *Minimal Acoustic Markers for Age Prediction in Human Voice: A Machine Learning Approach*. Master thesis, Voice Technology.
- 2025 Li, Xinchi. From Zero-Shot to Fine-Tuned: Linguistic Error Analysis in Frisian ASR with Whisper. Master thesis, Voice Technology.
- 2024 Hongell, Brandi. Assessing the relationship between stimulus duration and Mean Opinion Score for speech synthesis evaluation. Master thesis (cum laude), Voice Technology.
- 2024 Lei, Yining. *Chinese-speaking English learners' Vowel Pronunciation Error Detection*. Master thesis, Voice Technology.
- 2024 Meng, Wenjun. Beyond Adult Speech: Exploring SepFormer's Performance in Child Speech Separation. Master thesis, Voice Technology.
- Wei, Yilan. *An Innovative Method for Multi-Effect Speech Synthesis through Training File Modification*. Master thesis, Voice Technology.
- Zhu, Dongwen. Enhancing Automatic Speech Recognition in Vehicular Environments: A Noise-Specific Approach. Master thesis, Voice Technology.
- Shkapa, S. Role of intonation in intercomprehension scenario. ReMa Masters thesis, Faculty of Arts.
- 2023 Willis, Leslie. Exploring Automatic Speech Recognition for Podcast Audio: Fine-Tuning HuBERT on the Spotify Podcast Dataset. Master thesis, Voice Technology.
- Feenstra, Lian. Aladdin, Alla dien, Allendien, please evaluate the performance of Whisper on Dutch dysarthric speech. Master thesis, Voice Technology.
- 2023 Ivnova, Victoria. Synthesising Proto-Indo-European using Phonological Features for Zero-Shot Synthesis. Master thesis, Voice Technology.

- 2023 Mei, Zhengkun. *Chinese Multi-Model Sarcasm Detection Based on Contrastive Attention Residual Late Fusion*. Master thesis, Voice Technology.
- Zwart, Tessa. *Sarcastic speech synthesis in Dutch using voice-transformation*. Master thesis, Voice Technology.
- van Heerwaarden, Floor M. *Hubert wins the lottery PARP(-P) pruning the HuBERT model for downstream tasks*. Master thesis, Voice Technology.
- Weggeman, Sjors. *The relevance of using authentic laughter data in natural laughter synthesis: A case study on LaughNet.* Master thesis, Voice Technology.
- 2023 Leijenhorst, Elja. *Fine-tuning ASR to specific noise environments: noise robustness in a climbing gym.* Master thesis, Voice Technology.
- 2023 Bălan, Dragoş Alexandru. *Improving the State-of-the-Art Frisian ASR by fine-tuning Large-Scale Cross-Lingual Pre-Trained Models*. Master thesis (cum laude), Voice Technology.
- Shekoufandeh, Golshid. *Evaluation of wav2vec 2.0 Speech Recognition for the Elderly Frisian Population*. Master thesis (cum laude), Voice Technology.
- Zhao, Guanrong. *Road to Deep Learning-driven Chinese Traditional Verbal Art Synthesis*. Master thesis, Voice Technology.
- Baumann, Judith. *Improving the naturalness of an end-to-end text-to-speech system with information structure*. Master thesis, Voice Technology.
- Faste, Sarah. WAV2VEC 2.0 for Irish ASR: A multilingual approach to under-resourced languages. Master thesis, Voice Technology.
- Herygers, Aaricia. *Spraakherkenning, wa is da? Bias in Flemish Speech Recognition*. Master thesis, Voice Technology.
- 2022 Luks, BH. *End-to-End ASR with Binarized Neural Networks*. Master thesis, Voice Technology.
- Shen, Gaofei. *Does Where Words Come From Matter? Leveraging Self-supervised Models for Multilingual ASR and LID.* Master thesis, Voice Technology.
- Nguyen, Le Minh. *Improving Luxembourgish Speech Recognition with Cross-Lingual Speech Representations*. Master thesis, Voice Technology.

2022 Matsushima, Tatsunari. *Dutch Dysarthric Speech Recognition: Applying Self-Supervised Learning to Overcome the Data Scarcity Issue*. Master thesis, Voice Technology.

Publications (all)

5 Publications (complete list)

5 Publications (complete list)

5.1 Books

5.2 Chapters

5.3 Articles: Language & Technology

5.4 Articles: Language & Cognition

5.4 Proceedings

5.5 Datasets

5.1 Books

Coler, M. & A. Nevins (2022). *Minoritized and diaspora languages of Europe*. Language Science Press.

Dubois, D., C. Cance, **Coler**, M. & Paté, A. eds. (2021). <u>Sensory Experiences: Exploring meaning and the senses</u>. Benjamins.

Avelino, H., **Coler**, M & Wetzels, W.L.M. eds. (2015). <u>Studies in laryngeal features of the indigenous languages of the Americas</u>. Brill.

Coler, M. (2014). A grammar of Muylag' Aymara: Aymara as spoken in Southern Peru. Brill.

5.2 Chapters

Coler, M (2024). Aymara. In ed. Matthias Urban, Languages of the Central Andes. Oxford.

Coler, M (2024). Jagaru. In ed. Matthias Urban, Languages of the Central Andes. Oxford.

Coler, M., B. Kaal & E. Banegas-Flores (2022). <u>The use of nayra 'eye' in Muylaq' Aymara: Body.</u> <u>time, and space</u>. In eds.: R. Zariquiey & P. Valenzuela, *The grammar of body-part expressions:* A view from the Americas. Benjamins.

Coler, M. Perception of Language (2021). In D. Dubois et al. (2021) <u>Sensory Experiences:</u> <u>Exploring meaning and the senses</u>, Benjamins.

Dubois, D., C. Cance, **Coler**, M. & Paté, A. (2021). Empirical considerations for questioning sensory experience. In D. Dubois et al. (2021) <u>Sensory Experiences: Exploring meaning and the senses</u>, Benjamins.

Dubois, D., Cance, C. & **Coler**, M. (2021). Subjects or participants? In D. Dubois et al. (2021) Sensory Experiences: Exploring meaning and the senses, Benjamins.

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Yaman, A., Iacca, G., **Coler**, M., Fletcher, G., & Pechenizkiy, M. (2018, April). <u>Multi-strategy</u> <u>Differential Evolution</u>, in G. Squillero & K. Sim, eds.: *Applications of Evolutionary Computation*. Springer, Cham.

Yaman, A., A. Hallawa, M. **Coler**, G. Iacca (2017). <u>Presenting the ECO: Evolutionary Computation Ontology</u>, in G. Squillero & K. Sim, eds.: *Applications of Evolutionary Computation*. Springer, Cham.

Avelino, H, M. **Coler** & W.L.M. Wetzels (2015). Introduction to the laryngeal features of the languages of the Americas, in H. Avelino, M. Coler & W.L.M. Wetzels, eds.: <u>The phonetics and phonology of Laryngeal Features in the languages of the Americas</u>. Brill, Leiden.

Coler, M. (2015). <u>Aymara inflection</u>, in M. Baerman, ed.: *The Oxford Handbook of Inflection*. Oxford University Press. ISBN 9780199591428

Coler, M. & P. Homola (2014). <u>Rule-based machine translation for Aymara</u>, in M. Jones, ed.: *Endangered Languages and New Technologies*. Cambridge University Press. pp. 67-80.

Dubois, D., **Coler**, M. & Wörtche, H.J. (2014). Knowledge, sensory experience, and sensor technology, in C. Rangacharyulu, E. Haven, & B. Juurlink, eds., *The world in prismatic views*. London: World Scientific. pp. 97–134.

5.3 Articles: Language & Technology

Gao, X., Nayak, S. & Coler, M. (2024). <u>Enhancing sarcasm detection through multimodal data integration: A proposal for augmenting audio with text and emoticon</u>. J. Acoust. Soc. Am. 155, A264.

Nguyen, L., Nayak, S., & Coler, M. 2023. <u>Improving Luxembourgish Speech Recognition with Cross-Lingual Speech Representations</u>. In 2022 IEEE Spoken Language Technology Workshop (SLT) (pp. 792-797). IEEE.

Do, P., **Coler**, M., Dijkstra, J., & Klabbers, E. (2022). <u>Text-to-Speech for Under-Resourced Languages: Phoneme Mapping and Source Language Selection in Transfer Learning</u>. In Proceedings of the 1st Annual Meeting of the ELRA/ISCA Special Interest Group on Under-Resourced Languages (pp. 16-22). European Language Resources Association (ELRA).

Everhardt, M. K., Sarampalis, A., **Coler**, M., Baskent, D., & Lowie, W. (2022). <u>Interpretation of prosodically marked focus in cochlear implant-simulated speech by non-native listeners</u>. Proc. Speech Prosody 2022, 72-76.

Batsuren, K., Goldman, O., Khalifa, S., Habash, N., Kieraś, W., Bella, G., . . . **Coler**, M. . . . & Vylomova, E. (2022). *UniMorph 4.0: Universal Morphology*. arXiv preprint arXiv:2205.03608.

Verkhodanova, V., **Coler**, M., Jonkers, R., Timmermans, S., Maurits, N., de Jong, B., & Lowie, W. (2022). *A cross-linguistic perspective to classification of healthiness of speech in Parkinson's disease*. Journal of Neurolinguistics, 63, 101068.

Everhardt, M., Sarampalis, T., **Coler**, M., Baskent, D & Lowie, W. (2022). <u>Speech Prosody: The Musical, Magical Quality of Speech</u>. Frontiers for Young Minds. (OA publication for youth)

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Dijkstra, B. E., **Coler**, M., & Redeker, G. (2020). *The multilingual workplace realities of Polish truckers: A case study in the Netherlands*, Multilingua.

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