

Curriculum Vitae

Pierre Gander

Date of birth: 1971-06-25

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Google Scholar: <https://scholar.google.com/citations?user=ZSYdubQAAAAJ>



Academic Degrees and Titles

2023	Associate Professor in Cognitive Science, University of Gothenburg, Sweden
2005	PhD in Cognitive Science, Lund University, Sweden
1996	MSc in Computer Science, University of Skövde, Sweden
1992	Associate's Degree, Study Programme in Processing and Computer Sciences, Stockholm University, Sweden

Employments

Jul 2014–	Current employment: Senior Lecturer in Cognitive Science, Department of Applied IT, University of Gothenburg (full time)
Jul 2006– Jul 2014	Senior Lecturer in Informatics, Division of Media Production, Department of Economics and IT, University West (full time)
Jan 2001– Jun 2006	Teaching in cognitive science at SSKH Center, University of Gothenburg (20%)
Mar 2002– Sep 2004	PhD student position, Lund University Cognitive Science, Lund University (full time)
May 1999– Jan 2000	Employment for PhD work at Lund University Cognitive Science, Lund University (half time)
Sep 1996– Jan 1999	Teacher in human-machine interaction and cognitive science, University of Skövde (full time)

External Research Funding

2023	Marcus Wallenberg Foundation for International Scientific Collaboration	PI	170,000 SEK
2023	Adlerbert Research Foundation	PI	52,440 SEK
2022	FORTE/EU Joint Programme – Neurodegenerative Disease Research Working Group	Co-applicant	496,000 SEK
2021	Swedish Research Council for Health, Working Life and Welfare (FORTE)	Co-applicant	996,300 SEK

2021	Swedish Foundation for International Cooperation in Research and Higher Education (STINT)	Co-applicant	150,000 SEK
2021	Magnus Bergvalls Stiftelse	PI	90,000 SEK
2021	The Royal Society of Arts and Sciences in Gothenburg	PI	10,000 SEK
2020	The Royal Society of Arts and Sciences in Gothenburg	PI	28,000 SEK

Other Commitments and Qualifications

Reviewer for journals:

Memory (2024)

MethodsX (2024)

Frontiers in Psychology (five articles 2022, one article 2023)

Behavioral Sciences (two articles 2022)

Brain Sciences (five articles 2022)

Systems (2021)

Applied Sciences (2021)

Sustainability (2021)

International Journal of Environmental Research and Public Health (two articles 2021–22)

Journal of Cognitive Psychology (2020)

Leadership training courses, University of Gothenburg:

Feedback (2021)

Group processes (2022)

Working in a management team (2022)

Necessary conversations – talking about difficult issues (2023)

Conversation methodology for professional conversations in the workplace – For managers and leaders (2023)

- 2024– Creator and leader of the international research network UNREAL
- 2023– Program manager of the Cognitive Science bachelor’s program, University of Gothenburg
- 2023– Creator and leader of G-COG, a forum for research on cognition across faculties at the University of Gothenburg
- 2023 Organizer of SweCog 2023, the Swedish Cognitive Science Society Conference
- 2023 Organizer of the international symposium *Cognition and Fiction – Integrating Memory, Learning, Influence, Pretense, and Imagination: A Marcus Wallenberg Symposium*, University of Gothenburg
- 2022– Research lab co-leadership: DICE Lab (Digitalization Interaction Cognition Emotion Lab), University of Gothenburg
- 2021– Board member of the Swedish Cognitive Science Society (SweCog), swecog.se
- 2021– In editorial board for *Frontiers in Psychology: Cognitive Science*
- 2021– Member of the Psychonomic Society, www.psychonomic.org
- 2020– Co-supervisor for PhD student in cognitive science, Bahram Salmat Ravandi, Dept. of Applied IT, University of Gothenburg
- 2014– Member of the Swedish Cognitive Science Society (SweCog), swecog.se
- 2005– Member of the Nordic Network of Intercultural Communication (NIC), sskkii.gu.se/nic/
- 2016 Reviewer for submissions to the Swedish Cognitive Science Society (SweCog) National Conference
- 2014 Consultant for science exhibition *The Brain* at Science Center Universeum in Gothenburg
- 2011 Discussion opponent for final seminar of PhD dissertation *On the Perceptual Color Spaces* by Ingvar Lind, Dept. of Applied IT, University of Gothenburg

- 2003 In the organizing committee for The 10th Nordic Intercultural Communication Symposium 2003, University of Gothenburg
- 2001–2006 Participation in a research project about colour and language led by Professor Jens Allwood, SSKKII, Univ. of Gothenburg
- 2002 Sole organizer for a pedagogical conference about Cognitive Science, SSKKII, Univ. of Gothenburg
- 2001 Four popular science lectures at the Science Festival in Gothenburg
- 1998 & 1999 Consultant teacher in interface design at Promillennium AB, Falköping
- 1997 Invited speaker to *Design in the future*, Halmstad University, arranged by Svensk Industridesign among others

Publications and conferences

- Gander, P.** (2024). Social robots that handle the unreal: What? When? Where? Why? How? Poster presented at SweCog 2024 (Annual Meeting of the Swedish Cognitive Science Society), Stockholm, Oct. 10–11, 2024.
- Gander, P.**, Szita, K., Falck, A., & Lowe, R. (2023). Memory of fictional information: a theoretical framework. *Perspectives on Psychological Science*. Advance online publication. <https://doi.org/10.1177/17456916231202500>
- Gander, P.**, Szita, K., Falck, A., & Thompson, W. H. (2023). Taking the unreal seriously: Enriching cognitive science with the notion of fictionality. *Frontiers in Psychology: Cognitive Science*, 14. <https://doi.org/10.3389/fpsyg.2023.1205891>
- Gander, P.**, & Lowe, R. (2023). Differences in experienced memory qualities between factual and fictional events. *Journal of Cognition and Culture*, 23(3–4), 378–396. <https://doi.org/10.1163/15685373-12340168>
- Gander, P.**, Szita, K., Falck, A., & Lowe, R. (2023). Memory of fact vs. fiction: A theoretical framework. Paper presented at the 49th Annual Meeting of the Society for Philosophy and Psychology, June 20–23, 2023, Pittsburgh, PA.
- Gander, P.** (2023). A framework for memory of fictional information. Paper presented at Cognition and Fiction – Integrating Memory, Learning, Influence, Pretense, and Imagination: A Marcus Wallenberg Symposium, June 8–9, 2023, Gothenburg, Sweden.
- Gander, P.** (2023). Will a household robot call emergency services when watching an action movie? Social robots need to handle fictionality and designing them requires interdisciplinary collaboration. Paper presented at Inter.HAI 2023 Workshop at HAI 2023, Dec. 4, 2023, Gothenburg.
- Smedberg, A., Kockendal, F., & **Gander, P.** (2023). Art by man vs. machine: The effect of human versus AI as attributed creator when rating visual artworks. Poster presented at SweCog 2023 (Annual Meeting of the Swedish Cognitive Science Society), Gothenburg, Oct. 5–6, 2023.
- Gander, P.**, & Gander, A. (2022). Visual perspective in imagination and memory of factual and fictional stories. *Journal of Cognitive Psychology*, 34(1), 112–126. <https://doi.org/10.1080/20445911.2021.1928144>
- Gander, P.**, Szita, K., Falck, A., & Lowe, R. (2022a). A framework for memory of fictional information. Poster presented at the Psychonomic Society's 63rd Annual Meeting, Boston, MA, Nov. 17–20, 2022.
- Gander, P.**, Szita, K., Falck, A., & Lowe, R. (2022b). A dimensional model of memory for fictional information. Poster presented at ESCoP 2022 (European Society for Cognitive Psychology), Lille, France, Aug. 31–Sept. 02, 2022.
- Gander, P.**, Szita, K., Falck, A., & Lowe, R. (2022c). What kind of memory is memory of fiction? Paper presented at SweCog 2022 (Annual meeting of the Swedish Cognitive Science Society), Örebro, June 16–17, 2022.
- Gander, P.** (2021). Memory qualities of factual and fictional events in immediate and delayed recall. Poster presented at the Psychonomic Society's 62nd Annual Meeting.

- Szita, K., **Gander, P.**, & Wallstén, D. (2021). The effects of cinematic virtual reality on viewing experience and the recollection of narrative elements. *PRESENCE: Virtual and Augmented Reality*, 27(4), 410–425. https://doi.org/10.1162/pres_a_00338
- Sohlberg, R., Olsson, F., & **Gander, P.** (2021). The effect of forward testing as a function of test occasions and study material. *Behavioral Sciences*, 11(9), 114. <https://doi.org/10.3390/bs11090114>
- Gander, A., Berbyuk Lindström, N., & **Gander, P.** (2021). Expressing agreement in Swedish and Chinese: A case study of communicative feedback in first-time encounters. In P.-L. P. Rau (Ed.), *Cross-cultural design: Experience and product design across cultures*. HCII 2021. Lecture Notes in Computer Science, vol 12771. Springer, Cham. https://doi.org/10.1007/978-3-030-77074-7_30
- Lowe, R., Rittmo, J., Carlsson, R., & **Gander, P.** (2021). Vicarious value learning by differential outcomes training: A social transfer of control methodology. *MethodsX*, 8, 101294. <https://doi.org/10.1016/j.mex.2021.101294>
- Gander, P.**, & Gander, A. (2021). Based on a true story: How fictionality affects spatial cognition of events. Poster presented at Spatial Cognition 2020/21, Latvia. https://sc2020.lu.lv/wp-content/uploads/2021/08/gander_gander_sc202021_poster.pdf
- Szita, K., & **Gander, P.** (2021). Remote and lab-based research of viewing experiences and recollection in cinematic virtual reality. In E. Billing, & A. Kalckert (Eds.), *Proceedings of the 16th SweCog Conference*, Skövde, 10–12 November, 2021 (pp. 41–43). http://swecog.se/files/SweCog_2021_Proceedings.pdf
- Gander, P.**, Rittmo, J., Carlsson, R., & Lowe, R. (2020). A social differential outcomes learning task: Performance, EEG, and questionnaire data. *Data in Brief*, 33. <https://doi.org/10.1016/j.dib.2020.106590>
- Rittmo, J., Carlsson, R., **Gander, P.**, & Lowe, R. (2020). Vicarious value learning: Knowledge transfer through affective processing on a social differential outcomes task. *Acta Psychologica*, 209, 1–14. <https://doi.org/10.1016/j.actpsy.2020.103134>
- Gander, A., & **Gander, P.** (2020). Micro-feedback as cues to understanding in communication. In C. Howes, S. Dobnik, & E. Breitholtz (Eds.), *Dialogue and Perception: Extended papers from DaP2018* (pp. 1–11). Gothenburg, Sweden: Centre for Linguistic Theory and Studies in Probability (CLASP). <http://hdl.handle.net/2077/63998>
- Szita, K., & **Gander, P.** (2020). The effects of cinematic virtual reality on the recollection of narrative events. Long paper presentation for Conference of the Society for Cognitive Studies of the Moving Image (SCSMI) 2020, Grand Rapids, Michigan, USA, June 17–20.
- Lowe, R., Almer, A., **Gander, P.**, & Balkenius, C. (2019). Vicarious value learning and inference in human-human and human-robot interaction. In *Proceedings of Conference: 2019 8th International Conference on Affective Computing and Intelligent Interaction Workshops and Demos (ACIIW)* (pp. 395–400). <https://doi.org/10.1109/ACIIW.2019.8925235>
- Gander, P.** (2019). *Teaching and learning statistics: A case study of improving a statistics course*. Internal report Pedagogical Development and Interactive Learning, University of Gothenburg.
- Gander, P.** (2018). Memory of fictional information: fictional status and source. In T. Ziemke, M. Arvola, N. Dahlbäck, & E. Billing (Eds.), *Proceedings of the 14th SweCog Conference*, Linköping, 11–12 October, 2018 (pp. 27–29). <http://his.diva-portal.org/smash/get/diva2:1256520/FULLTEXT01.pdf>
- Gander, A., & **Gander, P.** (2018). Perceiving understanding through unimodal and multimodal micro-feedback in intercultural dialogue. In C. Howes, S. Dobnik, & E. Breitholtz (Eds.), *Proceedings of the Workshop on Dialogue and Perception*, Gothenburg, 14–15 June, 2018 (pp. 22–26). https://clasp.gu.se/digitalAssets/1692/1692436_proceedings-of-the-workshop-on-dialogue-and-perception-2018.pdf#section*.17
- Lowe, R., **Gander, P.**, Almér, A., Lindblad, G., Vesper, C., & Michael, J. (2017). Studying the effects of affective memory in joint activity. Poster presented at The 7th Joint Action Meeting, Queen Mary University of London, July 22–26 2017.
- Lowe, R., Almér, A., Lindblad, G., **Gander, P.**, Michael, J., & Vesper, C. (2016). Minimalist social-affective value for use in joint action: a neural-computational hypothesis. *Frontiers in Computational Neuroscience*, 10(88). <https://doi.org/10.3389/fncom.2016.00088>

- Gander, P.** (2014). Four reasons why source monitoring cannot explain how people handle fictional information. Poster presented at Swedish Cognitive Science Society National Conference, Lund, Sweden 11–12 Sept., 2014.
- Gander, P.** (2006). Gesture and speech manifestations of perspective on memory of events with varying degree of participation. In J. Allwood, B. Dorriots, & S. Nicholson (Eds.), *Proceedings from the Second Nordic Conference on Multimodal Communication*, Gothenburg, 7–8 April, 2005 (pp. 179–189). *Gothenburg Papers in Theoretical Linguistics* 92. University of Gothenburg, Dept of Linguistics.
- Gander, P.** (2005). *Participating in a story: Exploring audience cognition*. PhD dissertation, Department of Cognitive Science, Lund University, Sweden. Lund University Cognitive Studies 119.
- Gander, P., & Lind, I.** (2005). Intercultural colours: The meaning of colour terms in four languages. Paper presented at the meeting for the European Society for Philosophy and Psychology, Lund, Sweden, 11–14 August, 2005.
- Gander, P.** (2004). Spatial mental representations in interactive fiction: What is particular about the interactive text? In S. Porhiel, & D. Klingler (Eds.), *L'Unité texte* (pp. 96–124). Pleyben, France: Perspectives.
- Gander, P.** (2004). What interactivity adds to stories. Poster presented at the British Psychological Association Cognitive Section Annual Conference, Leeds University, UK, Sept. 6–8, 2004.
- Gander, P.** (2004). What is particular about the interactive text? Studies of remembering from computer games and short stories. Paper presented at Conjoint Perspectives on Text, March 18–20, University of Cyprus.
- Gander, P., & Lind, I.** (2003). Intercultural colours: The meaning of colour terms in four languages. Paper presented at The 10th NIC Symposium on Intercultural Communication, November 20–23, Göteborg University.
- Gander, P.** (2003). Spatiala representationer i långtidsminne för interaktiva berättelser. Paper presented at Möte för områdesgruppen i kognitionspsykologi, May 12, University of Skövde, Sweden.
- Gander, P.** (2002). Retelling of fictive and non-fictive events – From gesture and perspective to cognition. Paper presented at OFTI-20, September 20–21, Göteborg University.
- Gander, P., & Lind, I.** (2002). Färgperception och färgspråk. Paper presented at Möte för områdesgruppen i kognitionspsykologi, May 27–28, Linköping University, Sweden.
- Gander, P.** (1999). *Two myths about immersion in new storytelling media*. Lund University Cognitive Studies 80.