

# Ekaterina (Abramova) Sangati

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Born: December 30, 1986

Nationality: Polish

## Areas of specialization

Embodied Cognition, Social Cognition, Language Evolution, Complex Systems

## Education

- 2012-2019 PHD in Cognitive Science and Philosophy of Mind (defence date: 20 May 2019)  
Radboud University Nijmegen, Nijmegen, The Netherlands  
Thesis: Joint Action, an Enactive Mechanistic Account  
Advisors: Prof. Marc Slors, Dr. Iris van Rooij
- 2010-2012 MSc in Brain and Cognitive Sciences  
University of Amsterdam, Amsterdam, The Netherlands  
Thesis: Iterated learning of gestures: Between cultural transmission and critical periods  
Advisors: Prof. Simon Kirby, Dr. Kenny Smith, Dr. Jelle Zuidema
- 2008-2010 MA in Philosophy of Behavioral Science  
Radboud University Nijmegen, Nijmegen, The Netherlands  
Thesis: On two ways of getting from life to mind  
Advisors: Prof. Marc Slors, Prof. Jan Bransen, Dr. Bart Geurts
- 2005-2008 BA in Interdisciplinary Individual Studies in the Humanities  
Major in Psychology, Minors in Anthropology and Philosophy  
Jagiellonian University, Cracow, Poland  
Thesis: Ethnopsychologies, ethnonarratives: Towards a cross-cultural model of folk psychology  
Advisors: Prof. Marc Slors, Prof. Halina Grzymała-Moszczyńska

## Non-academic work experience

- 2019-Present NLU language specialist  
Nuance Communications, remote  
Localizing NLU software to Polish.
- 2018-Present NLP Developer  
Dimension S.r.l., Trento, Italy  
Developing a search engine and a conversational interface for financial applications.
- 2018 Research Assistant  
University of Exeter, Exeter, United Kingdom  
Implementing a database support and customizing the front-end for a community-driven wiki.

## Grants, honors & awards

- 2012-2017 PhDs in the Humanities grant, awarded by the Netherlands Organization for Scientific Research (€205,013)
- 2010-2012 Huygens Scholarship, awarded by Nuffic on behalf of the Dutch Minister for Education, Culture and Science (€57,958)
- 2008-2010 Radboud University Scholarship, awarded by Rector Magnificus of Radboud University Nijmegen (€16,000)
- 2007-2008 EU Erasmus Scholarship

## Publications & talks

### JOURNAL ARTICLES

1. Abramova, E., Hoffman, S., Kachergis, G., & Zuidema, J. (in preparation). Embodied embedded modeling of minimal joint action. *Adaptive Behavior*.
2. Abramova, E., Slors, M., Müller, B., & Van Rooij, I. (submitted). Joint Simon Effect in movement trajectories. *Journal of Experimental Social Psychology*.
3. Abramova, E., & Slors, M. (2018). Mechanistic explanation for enactive sociality. *Phenomenology and the Cognitive Sciences*, 18(2), 401-424.
4. Abramova, E. (2018). The role of pantomime in gestural language evolution, its cognitive bases and an alternative. *Journal of Language Evolution*, 3(1), 26-40.
5. Vesper, C., Abramova, E., Bütepage, J., Ciardo, F., Crossey, B., Effenberg, A., Hristova, D., Karlinsky, A., McEllin, L., Nijssen, S., Schmitz, L., Wahn, B. (2017). Joint action: Mental representations, shared information and general mechanisms for coordinating with others. *Frontiers in Psychology*, 2039.
6. Abramova, E., & Slors, M. (2015). Social cognition in simple action coordination: A case for direct perception. *Consciousness & Cognition*, 36, 519-531.

7. Abramova, K., & Villalobos, M. (2015). Stability and functional closure: The apparent (Ur-)intentionality of living beings and the game of content. *Philosophia*, 43(3), 651–668.
8. Smith, K., Abramova, K., Cartmill, E., & Kirby, S. (unpublished). The experimental study of sign language emergence.
9. Abramova, E. (2008). Integracyjna funkcja personalnej narracji mitycznej w dobie współczesnej wielogłosowości “ja” [Integrative function of personal myth narrative for multi-voiced selfhood]. In K. Jarzyńska, A. Kapusta, A. Pochłódka, & M. Wojciechowska (Eds.). *Myth Studies Yearly, Vol. II*. Kraków: Collegium Columbinum.

#### CONFERENCE PAPERS (PEER REVIEWED)

1. Sangati, F., Abramova, E., & Monti, J. (2018). DialettiBot: a Telegram Bot for Crowdsourcing Recordings of Italian Dialects. In E. Cabrio, A. Mazzei, & F. Tamburini (Eds.), *Proceedings of the Fifth Italian Conference on Computational Linguistics*.
2. Abramova, E., Slors, M., & van Rooij, I. (2017). Enactive mechanistic explanation of social cognition. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.), *Proceedings of the 39th Annual Cognitive Science Meeting* (pp. 45–50). Austin: Cognitive Science Society.
3. Abramova, E., & Fernández, R. (2016). Questioning arbitrariness in language: A data-driven study of conventional iconicity. In *Proceedings of the 2016 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies* (pp. 343–352). San Diego: ACL.
4. Abramova, E. (2016). Triadic ontogenetic ritualization: An overlooked possibility. In S. G. Roberts, C. Cuskley, L. McCrohon, L. Barceló-Coblijn, O. Feher, & T. Verhoef (Eds.) *The Evolution of Language: Proceedings of the 11th International Conference*.
5. Abramova, E., Fernández, R., & Sangati, F. (2013). Automatic labeling of phonesthetic senses. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the 35th Annual Conference of the Cognitive Science Society*, (pp. 1696–1701). Austin: Cognitive Science Society.

#### INVITED TALKS

1. Introduction to embodied cognition and its possible tech applications. August 2016, Radboud Summer School
2. Social cognition in simple action coordination, January 2016, Bochum Consciousness and Cognition Colloquium. Joint talk with Marc Slors.
3. Non-representationalists in cognitive science: What’s the big deal? August 2015, Radboud Summer School.

4. Gesture and the iterated learning paradigm, November 2012, Amsterdam Gesture Center.

#### CONFERENCE PRESENTATIONS

1. Abramova, E., Slors, M., & van Rooij, I. (2017). Enactive mechanistic explanation of social cognition. Oral presentation at the 39th Annual Conference of the Cognitive Science Society, July 26-29, London, UK.
2. Abramova, E., & Fernández, R. (2016). Questioning arbitrariness in language: A data-driven study of conventional iconicity. Oral presentation at the 2016 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, June 12-17, San Diego, USA.
3. Villalobos, M., & Abramova, E. (2016). Two senses of 'recursion' in Maturana's theory of language: A necessary distinction. Oral presentation at the First International Conference on Language and Enaction, June 1-3, Clermont-Ferrand, France.
4. Abramova, E. (2016). Triadic ontogenetic ritualization: An overlooked possibility. Oral presentation at the 11th International Conference on the Evolution of Language, March 21-24, New Orleans, USA.
5. Abramova, K. (2014). Towards enactive origins of reference. Poster presentation at the 33rd Annual Spindel Conference, Alternative Models of the Mind, October 23-25, Memphis, USA.
6. Abramova, E. (2014). Beyond the mirror, into the world: Probing the Mirror System Hypothesis. Oral presentation at the First Conference of the International Association for Cognitive Semiotics, September 25-27, Lund, Sweden.
7. Schouwstra, M., Abramova, K., Mota Medi, Y., Smith, K., & Kirby, S. (2014). From silent gesture to artificial sign languages. Joint workshop presentation at Evolang X: The 10th International Conference on the Evolution of Language, April 14-17, Vienna, Austria.
8. Abramova, E. (2013). From gestures to sign languages in the lab: Challenges and perspectives. Oral presentation at Mapping Multimodal Dialogue workshop, November 22-23, Aachen, Germany.
9. Abramova, E. (2013). Enactive language evolution. Oral presentation at Embodied Embedded Cognition and Psychiatry workshop, September 24-25, Nijmegen, The Netherlands.
10. Abramova, E., Fernández, R., & Sangati, F. (2013). Automatic labeling of phonethemic senses. Poster presentation at the 35th Annual Conference of the Cognitive Science Society, July 29 - August 3, Berlin, Germany.
11. Abramova, E. (2013). Embodied origins of language through an embodied account of iconicity. Oral presentation at Iconicity: East meets West, 9th International Symposium on Iconicity in Language and Literature, May 3-5, Tokyo, Japan.

## Teaching experience

- 2016-2017 Language Evolution, MPhil in Philosophy
- 2015-2016 Varieties of Embodied Cognition, MPhil in Philosophy  
The Analytic Debate of Self-knowledge, BA in Philosophy

### COMPETENT TO TEACH:

Introduction to Philosophy of Mind, Introduction to Cognitive Science, Embodied Cognition, Language Evolution, Models and Explanations in Cognitive Science

## Professional Service

### CONFERENCE AND WORKSHOP ORGANIZATION

- Modeling Minds II: Levels of Explanation in Cognitive Science (December 2016)  
Modeling Minds I: Philosophy Meets Cognitive Modeling (April 2015)  
Hybrids: Philosophy and Psychology Intersection (May 2008)

### OTHER

- Coordinator for the Donders Computational Cognitive Science group seminars (2014-2016)  
Reviewer for paper submissions at CogSci (2015, 2017)  
Reviewer for chapter submissions for a special volume in honor of Rinneke Verbrugge (2015)  
Reviewer for submissions to the symposium Varieties of Enactivism at AISB (2014)  
Presenter at Culture Evolves Exhibit within Edinburgh Science Festival, Edinburgh, Scotland, UK (2012)  
Active member of student societies at Jagiellonian University, Cracow, Poland (2006-2007)

## Additional training

### WORKSHOPS

- Interdisciplinary Robotics Research Methods summer school, July 2016, Cefalù, Italy  
The Sensorimotor Foundations of Social Cognition autumn school, October 2015, Boltzenhagen, Germany  
The Neuronal Dynamics Approaches to Cognitive Robotics summer school, August 2014, Bochum, Germany  
The 50th Annual Convention of the Society for the Study of Artificial Intelligence and Simulation of Behavior, April 2014, London, UK  
Dynamic Field Theory: Conceptual Foundations and Applications in the Cognitive and Developmental Sciences, CogSci tutorial, July 2013, Berlin, Germany  
The Future of the Embodied Mind summer school, September 2011, San Sebastian, Spain  
From Cognitive Science and Psychology to an Empirically-informed Philosophy of Logic

workshop, December 2010, Amsterdam, The Netherlands  
Thinking Philosophically in Anthropology: Approaches to Self, Morality and Cosmopolitanism summer school, August 2009, Oslo, Norway

### MOOCs

Courses on complex systems from Santa Fe Institute  
Data Science specialization on Coursera, Johns Hopkins University  
Courses on mathematics, computer science, artificial intelligence and statistics from Coursera, Udacity and EdX

### Languages

NATIVE PROFICIENCY: English, Polish, Russian

ADVANCED: Italian

BEGINNER: Dutch, German

### Computer skills

PROFICIENT: Python (including NumPy, Pandas, Keras, Scikit-Learn, Flask), MatLab, R, SPSS, MatLab Psychtoolbox, Processing, databases (MongoDB, ElasticSearch)

BASIC: HTML, CSS, JavaScript

Projects can be found on <https://github.com/kabramova>

Last updated: April 23, 2019