Agnieszka Mensfelt

Curriculum Vitae

Poznan University of Technology
Institute of Computing Science
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Research Interests

- computational and artificial intelligence
- simulation and artificial life
- machine learning and pattern recognition
- cognitive science and human-computer interaction

Employment

2017–Present	**Lecturer (part-time)**, *Adam Mickiewicz University in Poznan*, Poland.
2015–Present	**Research Assistant**, *Poznan University of Technology*, Poland.
2013–2015	**Lecturer (part-time)**, *Adam Mickiewicz University in Poznan*, Poland.
2013–2014	**Lecturer (part-time)**, *Poznan University of Technology*, Poland.

Education

2014–Present **Ph.D Studies**, *Poznan University of Technology*, Poland.
Specialty: Theoretical and practical problems of computing science.

2016 **M.Sc in Computer Science**, *Poznan University of Technology*, Poland.
Thesis:"Comparison of low level acoustic features and high level musical features as predictors of emotions elicited by computer-generated music".

2014 **B.Sc in Computer Science**, *Poznan University of Technology*, Poland.
Thesis: "Development of the similarity measure for 3D structures and its application to the analysis of the model of foraminifera embryogeny".

2013 **M.Sc in Cognitive Science**, *Adam Mickiewicz University in Poznan*, Poland.
Thesis:"Investigation of the relationship between computer-generated music and emotions perceived and experienced".

Languages

Polish	**Native**
English	**Fluent**
Russian	**Fluent**
German	**Basic**

Scientific Activities

Conferences participation From elements to macroevolution: modelling tools and applications in biogeosystem 2014; Emergence in Chemical Systems 4.0 2015; The Micropalaeontological Society Annual Meeting of the Foraminifera and Calcareous Nannofossil Groups 2015; International Conference on Man-Machine Interactions (ICMMI) 2015.

Grants participation **eVOLUTUS: the simulator of multiscale evolutionary processes tested on Foraminifera**, *(Polish National Science Centre, UMO-2013/09/B/ST10/01734, 2014-2017)*.

Teaching

2015–Present **Statistics and Data Analysis**, *Poznan University of Technology*, Poland, classes.

2015–Present **Tools of Computer Science**, *Poznan University of Technology*, Poland, classes.

2013–Present **Human-Computer Interaction**, *Poznan University of Technology*, Poland, classes.

2013–Present **Artificial Life and Artificial Intelligence**, *Adam Mickiewicz University in Poznan*, Poland, classes.

Journal publications

2016 Komosinski, Maciej and Agnieszka Mensfelt. "Emotions perceived and emotions experienced in response to computer-generated music". In: *Music Perception* 33.4, 432–445.

Komosinski, Maciej, Agnieszka Mensfelt, Jarosław Tyszka, et al. "Multi-agent simulation of benthic foraminifera response to annual variability of feeding fluxes". In: *Journal of Computational Science*.

Conference Publications

2015 Komosinski, Maciej, Agnieszka Mensfelt, Paweł Topa, et al. "Application of a morphological similarity measure to the analysis of shell morphogenesis in Foraminifera". In: *Man–Machine Interactions 4*. Ed. by Aleksandra Gruca et al. Vol. 391. Advances in Intelligent Systems and Computing. Springer. Springer, 215–224.

Topa, Pawel et al. "eVolutus: A New Platform for Evolutionary Experiments". In: *Parallel Processing and Applied Mathematics - 11th International Conference, PPAM 2015, Krakow, Poland, September 6-9, 2015. Revised Selected Papers, Part II*, pp. 570–580.

Theses

2016 Mensfelt, Agnieszka. "Comparison of low level acoustic features and high level musical features as predictors of emotions elicited by computer-generated music". MA thesis. Poznan University of Technology.

2014 Mensfelt, Agnieszka. "Development of the similarity measure for 3D structures and its application to the analysis of the model of foraminifera embryogeny". BS Thesis. Poznan University of Technology.

2013 Mensfelt, Agnieszka. "Investigation of the relationship between computer-generated music and emotions perceived and experienced". MA thesis. Adam Mickiewicz

University in Poznan.

Presentations

2015 M. Komosinski and A. Mensfelt. *A multi-scale model of Foraminifera in Framsticks*. The Micropalaeontological Society Annual Meeting of the Foraminifera and Calcareous Nannofossil Groups. Plymouth.

M. Komosinski and A. Mensfelt. *Evolution of morphologies - modeling Foraminifera in Framsticks*. Emergence in Chemical Systems 4.0. Anchorage.

2014 A. Mensfelt. *Modeling plants and gene expression: L-systems and Boolean networks*. From elements to macroevolution: modelling tools and applications in biogeosystem. Krakow.