Curriculum Vitæ

Georgios Methenitis

www.georgiosmethenitis.com
Georgios.Methenitis@cwi.nl
P.O. Box 94079, 1090GB
Amsterdam, Netherlands
+31 (0) 20 592 4091

Work Experience

Jun. 2014 to Sep. 2014 **Internship**, European Space Agency
- *Worked in the Advanced Concepts Team on the project "Novelty Search for Soft Robotic Space Exploration".*
- *Applied novel evolutionary search methods for optimizing the morphology and gaits of soft-robots in varying gravity levels (video).*

Jan. 2013 to Mar. 2014 **Lead Programmer**, Dutch Nao Team
- *Developed existed C++ codebase for the* Aldebaran NAO *robot and the Standard Platform League.*
- *Participated (placed in top-16 and 3rd) in international and open* Robocup Standard Platform League *competitions.*

Oct. 2013 to Feb. 2014 **Teaching Assistant**, University of Amsterdam
- *Assisted in teaching the course* C++ programming language.

Oct. 2013 to Feb. 2014 **Internship**, VicarVision
- *Designed and developed an algorithm for estimating floor plane from monocular camera footage based on human detection samples.*

Education

Feb. 2015 to Feb. 2019 **PhD candidate** - CWI[1], Delft University of Technology
- *Focusing on (electricity) markets, in which conflict of interest between strategic agents emerges in face of uncertainty (renewable power generation).*
- *Multi-agent systems, game-theory and learning.*
- *Supervised by: Prof. Han La Poutré (CWI and TU Delft) and Dr. Michael Kaisers (Researcher, CWI).*

Sep. 2012 to Dec. 2014 **MSc Artificial Intelligence** - University of Amsterdam
- *Thesis: Evolution of Soft-Robots by Novelty Search, in collaboration with the Advanced Concepts Team in the European Space Agency (ESA), supervised by: Daniel Hennes (ESA), Dario Izzo (ESA) and Arnoud Visser (UvA).*

Sep. 2006 to Aug. 2012 **Diploma in Electronic and Computer Engineering** - Technical University of Crete
- *Thesis: Player Behavior and Team Strategy for the RoboCup 3D Simulation League, supervised by: Prof. Michael G. Lagoudakis*
- *Developed the codebase (Java) for robot localization, locomotion, communication, strategy, and coordination.*

Publications

1. Georgios Methenitis, Michael Kaisers, and Han La Poutré. "SLA-Mechanisms for Electricity Trading Under Volatile Supply and Varying Criticality of Demand". In: *Proceedings of the 16th Conference on Autonomous Agents and MultiAgent Systems*. AAMAS '17. Sao Paulo, Brazil: International Foundation for Autonomous Agents and Multiagent Systems, 2017
2. G. Methenitis, M. Kaisers, and H. La Poutre. "Incentivizing Intelligent Customer Behavior in Smart-Grids: A Risk-Sharing Tariff & Optimal Strategies". In: *Proceedings of the 25th International Joint Conference on Artificial Intelligence, IJCAI*. AAAI Press. 2016
3. Georgios Methenitis, Michael Kaisers, and Han La Poutre. "A multi-scale energy demand model suggests sharing market risks with intelligent energy cooperatives". In: *Smart Grid Technologies - Asia (ISGT ASIA), 2015 IEEE*. 2015
4. Georgios Methenitis et al. "Novelty Search for Soft Robotic Space Exploration". In: *Proceedings of the 2015 Annual Conference on Genetic and Evolutionary Computation*. GECCO '15. Madrid, Spain: ACM, 2015
5. Georgios Methenitis et al. "Orientation finding using a grid based visual compass". In: BNAIC, 2013

Research Interests

- Multi-Agent Systems (Learning/Cooperation/Competition)
- Game-Theory
- Machine Learning
- Evolutionary Algorithms

Technical Skills

Programming	OS	Software	Platforms
Python (Tensorflow), C++ (Boost, OpenCV, STL, PCL, Qt, CMake), Java, C#, C, HTML/CSS	Proficient in GNU/Linux (Arch, Debian), MS Windows, MacOS	Microsoft and other Office Tools, Eclipse, NetBeans, Qt Creator, Matlab, LaTeX	Aldebaran NAO, Sony AIBO, Webots, Spark, VoxCad

[1] CWI (Centrum Wiskunde & Informatica) is the national research institute for mathematics and computer science in the Netherlands.

* References are available upon request.