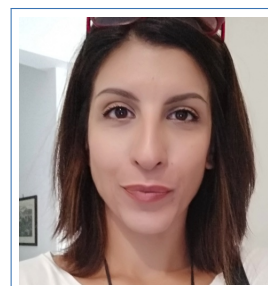# Maria M. Dimarogkona

Academic CV

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Current Main Occupations

National Technical University of Athens

PhD Candidate   *2015 − Present*

Title: Abstract Model Theory: Mathematical Foundations,
Applications in Computer Science, and Philosophical Dimensions.

Supervisors: B. Kaldis - †A. Arageorgis -, P. Stefaneas, G. Koletsos.

University of Aegean

Researcher at i4m Lab   *2019*

Education

ILLC, University of Amsterdam

Master of Logic

Track: Logic and Computation

School of Applied Mathematical and Physical Sciences, NTUA

Diploma in Applied Mathematical and Physical Sciences

Tracks: Mathematical Analysis, Computer Science

Experimental School of the University of Athens

High School Diploma

Publications

1. Dimarogkona M. and Stefaneas P., *Information, Computer Ethics, and Institutions*, Symmetry, forthcoming.
2. Dimarogona M. and Stefaneas P., *Institutions and Computer Ethics*, Cryptography, Cyber-Security and Information Warfare (Ed. N. J. Darras),Cybercrime and Cybersecurity Research Series,pp. 109-128, Nova, 2018.
3. M. Dimarogkona and P. Stefaneas, *Syntax, Semantics and the Formalization of Social Science Theories*, M. Addis et al. (eds.), Scientific Discovery in the Social Sciences, Springer Synthese Library, 2018.
4. Angius N, Dimarogkona M, and Stefaneas P., *Building and Integrating Semantic Theories over Institutions*, Algebraic Modelling of Topological and Computational Structures and Applications, pp. 363 - 374, 2017.
5. C. Mamakos, P. Stefaneas, M. Dimarogkona and J. Paine, *Polytropos project: Experiments in Blending*, Proceedings 3rd International Workshop on Computational Creativity, Concept Invention

and General Intelligence (C3GI) - European Conference on Artificial Intelligence, Prague, Czech Republic, Eds: T. Besold, K. - U. KÃijhnberger, M. Schorlemmer, and A. Smaill University of Osnabruk, Publications of the Institute of Cognitive Science, 2014.

6. Dimarogkona M. and Stefaneas P., *Semantic Networks and the Theory of Institutions*. Algebra and Model Theory 9 Special Issue. Eds. : A.G.Pinus, K.N.Ponomaryov, S.V.Sudoplatov, and E.I.Timoshenko. 2013 Novosibirsk: NSTU. - pp. 8-18.

Conferences

1. M.Dimarogkona and P.Stefaneas, *A Meta-Logical Framework for Philosophy of Science*, CLMPST, August 2019, Prague, Czech Republic.
2. M.Dimarogkona and P.Stefaneas, *Ethics of Algorithms, Formal Methods, and Abstract Model Theory*, ETHICOMP, September 2018, Sopot, Poland.
3. M. Dimarogkona and P. Stefaneas, *Styles of Programming*, Workshop on Philosophy of Computer Science, International Association for Computing and Philosophy (IACAP) Annual Meeting, June 2016, Ferrara, Italy.
4. M. Dimarogkona and P. Stefaneas, *Computer Ethics and Institutions*, 3rd International Conference on Cryptography, Cyber Security and Information Warfare - CryCybIW, May 2016, Athens, Greece.
5. N. Angius, M. Dimarogkona and P. Stefaneas, *Building and integrating semantic theories over institutions*, THALES (Algebraic Modelling of Topological and Computational Structures) Workshop, July 2015, Athens, Greece.
6. M. Dimarogkona and P. Stefaneas, *On the Theory of Institutions and the Philosophical Significance of Categorical Thinking*. 15th Congress of Logic, Methodology and Philosophy of Science (CLMPS 2015), August 2015, Helsinki, Finland.
7. M. Dimarogkona and P. Stefaneas, *Syntax, Semantics and the Formalization of Social Science Theories*, Workshop on Scientific Discovery in the Social Sciences, Centre of Philosophy of Natural and Social Sciences, London School of Economics, January 2015, London, England. (keynote speaker)
8. M. Dimarogkona and P. Stefaneas, *Towards a Formal Model of the Semiotic Web*, 4th International Symposium on the Web and Philosophy, Co-located at ICIL, May 2014, Thessaloniki, Greece.
9. C. Mamakos, P. Stefaneas, M. Dimarogkona and J. Paine, *Polytropos project: Experiments in Blending*, 3rd International Workshop on Computational Creativity, Concept Invention and General Intelligence (C3GI) - European Conference on Artificial Intelligence, August 2014,Prague, Czech Republic.

Teaching

National Technical University of Athens

Philosophy of Mathematics	*2019–2020*
Discrete Mathematics	*2019–2020*
Introduction to Programming - Java	*2019–2020*
Special Issues in Philosophy	*2018–2019*

Applications of Logic in Computer Science   *2017–2019*

New Technologies in Education (HTML, CSS)   *2017–2019*

Programming Skills

Languages
Java, Javascript, Python, SQL, HTML, CSS

Systems
MySQL