Dr. Aphrodite Tsalgatidou, Associate Professor
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Academic Degrees:

- Ph.D. and M.Sc. in Computation, Dept. of Computation, University of Manchester Institute of Science and Technology (UMIST), United Kingdom
- B.Sc. in Chemistry, Dept. of Chemistry, National and Kapodistrian University of Athens

Appointments:

- 1999-2000: University of Jyväskylä, Finland, Senior Researcher
- 2020-2021: SINTEF, University of Oslo, Norway, Senior Researcher
- 1991-today: Member of Faculty, Dept. of Informatics & Telecommunications, National and Kapodistrian University of Athens. Positions:
  - 2011 – today: Associate Professor
  - 1995 – 2010: Assistant Professor
  - 1991 – 1995: Lecturer
- 1979–1997: Hellenic Telecom. Organisation. Positions: administrative clerk, programmer, system analyst, consultant to the CEO, director of the Office Automation Department of a subsidiary company.

Teaching and Ph.D. Supervision:

Undergraduate courses: Systems Analysis and Design, Introduction to Computer Science and to Programming
Postgraduate courses: Business Process Management, Electronic Commerce Technologies

Prof. Tsalgatidou has supervised the Ph.D. theses of
- Dr. Dimitris Gouscos, Assistant Professor in Dept. of Communication and Media, NKUA
- Dr. Thomi Pilioura, Director in National Bank of Greece
- Dr. Michael Pantazoglou, Post-Doctoral Researcher
- Dr. George Athanasopoulos, Post-Doctoral Researcher
- Dr. Eleni Koutrouli, Director in Bank of Greece
- Dr. Christina Tsagkani, Director in Bank of Greece

Currently, she supervises the Ph.D. of Ms.Mariza Katikaridi

Research Interests:

- Big Data and AI pipelines,
- Fake News Detection, Delurking and Influence Maximization in Online Social Networks
- Recommendation systems and influence in social networks
- Reputation management systems in P2P applications
- Process management, process matching, process mining, service technology and interoperability

Scientific Publications/Citations:

Over a hundred publications in international refereed journals and conferences. h-Index 23, i10-index 41.

Representative publications:

- Adrestus: Secure, scalable blockchain technology in a decentralized ledger via zones, by P. Drakatos, E. Koutrouli, A. Tsalgatidou, in Blockchain: Research and Applications 3 (4), 2022.
- Big Data and AI Pipeline Framework: Technology Analysis from a Benchmarking Perspective, by A.J. Berre, A. Tsalgatidou, et al in book: Technologies and Applications for Big Data Value (pp.63-88), Springer 2022.
- Big Data Technologies in DataBio, by C. Södergård, T. Mildorf, A.J. Berre, A. Tsalgatidou, K. Charvátin, in book: Big Data in BioEconomy (pp. 3-15), Springer 2021.
- Modeling and Evaluating a Robust Feedback-based Reputation System for E-commerce Platforms, by A. Panagopoulos, A. Tsalgatidou, E. Koutrouli, ACM Transactions on the Web (TWEB) 11 (3), 1-55, 2017.
- Reputation Systems Evaluation Survey, by E. Koutrouli, A. Tsalgatidou, ACM Computing Surveys (CSUR), Volume 48 Issue 3, February 2016.
- Decentralized Enactment of BPEL Processes, by M. Pantazoglou, I. Pogkas, A. Tsalgatidou, IEEE Trans. on Services Computing, 2014, Vol.7,184–197
- A generic query model for the unified discovery of heterogeneous services, M. Pantazoglou, A. Tsalgatidou, IEEE Transactions on Services Computing (TSC), vol. 6, no. 2, pp. 201-213, 2013.

Research Projects and Funding:

Principal Investigator in various research projects funded by the European Commission. Representative projects:

- ENVISION: ENVIronmental Services Infrastructures with Ontologies, FP7-ICT-2009-249120
- SODIUM: Service-Oriented Development In a Unified framework, FP6-IST-2003-4559
- SeCSE: Service-Centric System Engineering, FP6-IST-2003-511680
- P2P Architect: Ensuring dependability of peer to peer (P2P) applications at architectural level, IST-2001-32708
- INTEROP: Network of Excellence in Interoperability Research for Networked Enterprises Applications and Software, IST-508011
- CBSENet, Thematic Network in Component Based Software Engineering, IST-2001-35485
- MARVEL – Distributed Simulation for War Games Scenarios, funded by Intracom S.A.
- Scientific Network in Software Usability, funded by GSRT

Total Funding acquired for the Department: 1.5 M €

Other Activities:

- Member of the Editorial Board of the Requirements Engineering Journal, Springer
- Participation in over 80 program committees
- ERASMUS coordinator for 7 European Universities for over 15 years.