
CONTACT INFORMATION	Department of Informatics Aristotle University of Thessaloniki 54124, Kalamaria, Greece Ethnikis Antistaseos 16, 2nd floor, Office 5	<i>Phone:</i> 0030 2310991922 <i>Mobile:</i> 0030 6972074424 <i>E-mail:</i> espyromi@csd.auth.gr <i>WWW:</i> users.auth.gr/espyromi
EDUCATION	Department of Informatics, Aristotle University of Thessaloniki	
	Ph.D. Candidate in Computer Science, 2010 - now <ul style="list-style-type: none"> • Subject: “Machine Learning and Knowledge Discovery from Web Data” • Adviser: Professor Ioannis Vlahavas 	
	M.S., Information Systems, 2009 - 2011 <ul style="list-style-type: none"> • Specialization: Machine Learning and Data Mining • Grade: 9.83 out of 10 - Excellent • Thesis: “Dealing with Concept Drift and Class Imbalance in Multi-label Stream Classification” • Adviser: Lecturer Grigorios Tsoumakas, Professor Myra Spiliopoulou 	
	B.S., Informatics, 2004 - 2009 <ul style="list-style-type: none"> • Specialization: Information Systems (emphasis on artificial intelligence) • Grade: 7.71 out of 10 - Very Good • Thesis: “An Empirical Study on Lazy Multi-label Classification Algorithms” • Adviser: Lecturer Grigorios Tsoumakas 	
RESEARCH INTERESTS	Multi-target learning (classification/regression), online learning, time-evolving data streams, semi-supervised learning, active learning, graph mining, recommender systems, image annotation-retrieval, text categorization.	
FOREIGN LANGUAGES	English: Certificate of Proficiency in English (University of Michigan) German: Zertifikat Deutsch (Goethe Institut)	
JOURNAL ARTICLES	G. Tsoumakas, E. Spyromitros-Xioufis , J. Vilcek, I. Vlahavas, “Mulan: A Java Library for Multi-Label Learning”, <i>Journal of Machine Learning Research</i> , 12, pp. 2411-2414, 2011 .	
PAPERS IN CONFERENCE AND WORKSHOP PROCEEDINGS	E. Spyromitros-Xioufis , S. Papadopoulos, I. Kompatsiaris, G. Tsoumakas, I. Vlahavas, “An Empirical Study on the Combination of SURF Features with VLAD Vectors for Image Search”, In: <i>Proceedings of the 13th International Workshop on Image Analysis for Multimedia Interactive Services (WIAMIS 2012)</i> , Dublin, Ireland, May 2012 . E. Spyromitros-Xioufis , K. Sechidis, G. Tsoumakas, I. Vlahavas, “MLKD’s Participation at the CLEF 2011 Photo Annotation and Concept-Based Retrieval Tasks”, ImageClef Lab of CLEF 2011 Conference on Multilingual	

and Multimodal Information Access Evaluation, Amsterdam, Netherlands, September, **2011**.

E. Spyromitros-Xioufis, E. Stachtari, G. Tsoumakas, I. Vlahavas, “A Hybrid Approach for Cold-start Recommendations of Videlectures”, In: *Proceedings of ECML/PKDD 2011 Discovery Challenge Workshop (DSW)*, Athens, Greece, September, **2011**.

E. Spyromitros-Xioufis, M. Spiliopoulou, G. Tsoumakas, I. Vlahavas, “Dealing with Concept Drift and Class Imbalance in Multi-label Stream Classification”, In: *Proceedings of the 22nd International Joint Conference on Artificial Intelligence (IJCAI 2011)*, Barcelona, Spain, July, **2011** (**acceptance ratio 17%**).

E. Spyromitros-Xioufis, G. Tsoumakas, “MLKD’s participation to ISMIS 2011 Contest on Music Information Retrieval”, In: *Proceedings of the 19th International Symposium on Methodologies for Intelligent Systems (ISMIS 2011)*, Warsaw, Poland, June **2011**.

G. Tsoumakas, A. Dimou, **E. Spyromitros-Xioufis**, V. Mezaris, I. Kompatsiaris, I. Vlahavas, “Correlation-Based Pruning of Stacked Binary Relevance Models for Multi-Label Learning”, In: *Proceedings of the ECML/PKDD 2009 Workshop on Learning from Multi-Label Data (MLD’09)*, pp. 101-116, Bled, Slovenia, September **2009**.

E. Spyromitros-Xioufis, G. Tsoumakas, I. Vlahavas, “An Empirical Study of Lazy Multilabel Classification Algorithms”, In: *Proceedings of the 5th Hellenic Conference on Artificial Intelligence (SETN 2008)*, Springer, pp. 401-406, Syros, Greece, **2008**.

DEMO/POSTER PUBLICATIONS G. Tsoumakas, **E. Spyromitros-Xioufis**, J. Vilcek, I. Vlahavas, “Mulan: A Java Library for Multi-Label Learning”, In *ICML 2010 Workshop on Machine Learning Open Source Software (MLOSS 2010)*, Demo/Poster Session, Haifa, Israel, June **2010**.

CITATIONS My papers have attracted more than 50 citations, excluding self-citations. My h-index is 3. An up-to-date list of citations per publication can be found on my google scholar profile.

JOURNAL REVIEWER

- **Journal of Machine Learning Research** (Microtome Publishing)
- **Machine Learning** (Springer)

PRIZES AND AWARDS

- **ImageCLEF 2011 Photo-annotation** **September 2011**
1st place in the concept-based retrieval sub-task.
- **ECMLPKDD 2011 Discovery Challenge** **August 2011**
2nd place in the cold-start recommendation task. (700 euro prize)
- **ISMIS 2011 Contest on Music Information Retrieval** **March 2011**
1st place on the instrument recognition track. (1000 dollars prize)
- **DMC 2011** **June 2011**
7th place on the Data Mining Cup 2011. (1000 dollars travel prize)

- **JRS 2012** **March 2012**
9th place on the JRS 2012 Data Mining Competition on Topical Classification of Biomedical Research Papers

SCHOLARSHIPS
AND GRANTS

- **CLEF scholarship** **September 2011**
Sponsored by PetaMedia Network of Excellence, European Science Foundation (ESF) Conference on Multilingual and Multimodal Information Access Evaluation 2011, Amsterdam, The Netherlands.
- **ECMLPKDD conference grant** **September 2011**
Sponsored by the Hellenic Artificial Intelligence Society (EETN). European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases 2011, Athens, Greece.
- **IJCAI scholarship** **July 2011**
Sponsored by the IJCAI Organization and its Artificial Intelligence Journal (AIJ) Division, Hellenic Artificial Intelligence Society (EETN). 22nd International Joint Conference on Artificial Intelligence 2011, Barcelona, Spain.
- **Erasmus scholarship** **October 2010**
From the Greek State Scholarships Foundation to write my master's thesis at the Otto-von-Guericke University of Magdeburg.
- **MLSS scholarship** **July 2010**
Sponsored by PASCAL2 Network of Excellence. 2nd Machine Learning boot-camp of the European Network of Excellence PASCAL (Pattern Analysis, Statistical modelling and Computational Learning), Marseille, France.

PROFESSIONAL
EXPERIENCE

Informatics and Telematics Institute, Multimedia Group

Research Associate

January 2012 - now

- Worked on SocialSensor FP7 Project
- Development and implementation of visual feature extraction, vectorization and indexing methods for large-scale image retrieval.

Freelance Web Developer

I have developed the following web sites: **June 2008 - December 2011**

- www.csd.auth.gr The web portal of the Department of Informatics of the Aristotle University of Thessaloniki.
- mulan.sorceforge.net The official website of Mulan open source software.
- www.greekrocks.com An e-shop for mineral specimens.
- www.bobgriffis.com An e-shop for mineral specimens.
- www.piscinatester.com A promotion website for pool equipment.

TEACHING
EXPERIENCE

Department of Informatics, Aristotle University of Thessaloniki

Teaching Assistant

January 2011 - now

- Advance Machine Learning and Knowledge Discovery (postgraduate course)
 - Spring Semester 2011, 2012

- Machine Learning(postgraduate course)
 - Winter Semester 2011
- Decision Support Theory and Systems (undergraduate course)
 - Winter Semester 2011
- Object Oriented Programming (undergraduate course)
 - Spring Semester 2011

SERVICE

I have been involved in the following open-source software projects:

- **Mulan** A java library for multi-label learning. Administrator of the project. Mailing list manager. Developed many multi-label classification algorithms and evaluation measures. Bug fixes and implementation of new features. Documentation manager and developer of the projects web site.
- **Jajuk** A java jukebox. Contributed bug-fixes and translated the interface in the Greek language.

SOFTWARE SKILLS

Computer Programming:

- Java, C, C++, C#, PHP, JavaScript, SQL, MySQL, MATLAB, and others

Data Mining Libraries and Software Tools:

- Weka, Mulan, MOA, RapidMiner, SPSS, Lingpipe, ColorDescriptor

Productivity Applications:

- T_EX, most common productivity packages (for Windows platforms)

Operating Systems:

- Microsoft Windows family and some Linux

REFEREREEES

Dr. Ioannis Vlahavas (e-mail: vlahavas@csd.auth.gr)

- Professor, Department of Informatics, Aristotle University of Thessaloniki
- ★ *Dr. Vlahavas is the supervisor of my Ph.D.*

Dr. Grigorios Tsoumakas (e-mail: greg@csd.auth.gr)

- Lecturer, Department of Informatics, Aristotle University of Thessaloniki
- ★ *Dr. Tsoumakas is a member of my doctoral committee and supervised both my bachelor and my master theses.*

Dr. Myra Spiliopoulou (e-mail: myra@iti.cs.uni-magdeburg.de)

- Professor, Faculty of Computer Science, Otto-von-Guericke University of Magdeburg
- ★ *Dr. Spiliopoulou supervised my master thesis during my erasmus visit in Magdeburg*