

PANAGIOTIS SYMEONIDIS



Phone: (0030) 697-3882408
psymeon@gmail.com

Lykavitou 14, Stavroupoli,
56431, Thessaloniki
Greece

SHORT BIO

Panagiotis Symeonidis is an assistant professor at the Faculty of Computer Science (scientific sector INF/01) of the Free University of Bolzano since November 2016. Before moving to Bolzano he worked for 8 years as assistant professor at the Department of Informatics in Aristotle University of Thessaloniki, Greece. He received a Bachelor (BA) in Applied Informatics from Macedonia University of Greece in 1996. He also received a Master diploma (MSc) in Information Systems from the same University in 2004. He received his PhD in Web Mining and Information Retrieval for Personalization from the Department of Informatics in Aristotle University of Thessaloniki, Greece in 2008. His research interests include web mining (usage mining, content mining and graph mining), information retrieval, collaborative filtering, recommender systems, social media in Web 2.0 and location-based social networks. He is the co-author of 3 international books, 1 Greek book, 5 book chapters, 19 journal publications and 35 conference/workshop publications. His articles have received more than 2100 citations from other scientific publications (google scholar).

Vision

My vision for the next couple of years is to combine social media analytics, graph and stream mining algorithms together with recommender systems and apply them in domains such as online news media, tourism, Internet of Things, and Health Analytics, where the main problems are the “curse” of dimensionality and the need for real-time predictions.

EDUCATION

- | | | |
|------------|---|------------------|
| PhD | Aristotle University of Thessaloniki, Greece, Computer Science,
Dissertation: “Data Mining for Web Personalization”
Supervisor: Yannis Manolopoulos | June 2008 |
| MS | University of Macedonia, Greece, Information Systems
Thesis: “A Content-based Management System for Web”
Advisor: Konstantinos Tarabanis | May 2004 |
| BS | University of Macedonia, Greece, Applied Informatics
Grade 7,45/10 | May 1996 |

SCHOLARSHIPS, HONORS AND AWARDS

Italian Habilitation **2017**

I got the Italian Habilitation Certificate in 2017, which makes me eligible to apply for any tenure track professorship position (in the level of Associate Professor) in Italy for the research domain 01/B1 informatics.

Greek State Scholarship **2013**

4-month scholarship from the Greek Scholarship Foundation (IKY). for post-doctoral research in Magdeburg University with topic «Recommender Systems in multi-dimensional Social Networks»

German State Scholarship **2012**

4-month scholarship from the German Scholarship Foundation (DAAD) for post-doctoral research in Magdeburg University with subject «Recommender Systems in time evolving Social Networks»

Aristotle University Scholarship **2010**

1-year scholarship to perform research in Aristotle University of Thessaloniki, Greece

Greek State Scholarship **2005**

3-year scholarship for PhD studies from the Greek Scholarship Foundation (IKY)

Title of Award **2008**

Award for an Innovative Business Plan by the "Innovative Ideas Contest" of the Region of Central Macedonia, Greece for the research proposal «IPTV Explain: Providing Explained Recommendations for Digital Content».

ADMINISTRATIVE EXPERIENCE

Director and chief executive **19/08/2011 - 31/07/2015**

Head of the 1st Laboratory Center of Stavroupoli Thessaloniki.
Management of the laboratory equipment.
1st EK Stavroupolis
Thrakia 4, 56430 Thessaloniki (Greece)

RESEARCH EXPERIENCE

Free University of Bolzano, Italy

2016 to 2019

- 2018-2019: Piattaforma modulare per la gestione territoriale “Simultaneous Care” del paziente oncologico (ONCONet2) – total budget of the project Euro ~28.000,00 (role: co-PI)
- 2018-2019: RecTV – Recommender for TV Shows in collaboration with KIM -Keep in Mind Srl (role: PI)
- 2017-2019: Development of a decision support system for the determination of postharvest disorders and diseases of apples (DSSApple) – total budget of the project Euro 192.500,00
- 1/6/2017-1/6/2018: Improving the Quality of Recommender Systems (IMPRESS) – total budget of the project Euro 9.996,00

Aristotle University of Thessaloniki, Greece

2007 - 2013

- 1/4/2012 – 31/5/2013: Bilateral Greek–Turkey project (10.000 €) with subject «Data mining for social web»
- 1/1/2011 – 31/12/2012: Bilateral Greek-German project with the code name IKYDA 2011 (15.000 €) with subject «Recommender Systems in social networks»
- 9/8/2010 – 31/5/2012: Initial Vocational Training of Leonardo Da Vinci project from EU (75.987 €) with the subject «Information Technology for touristic businesses in Europe».
- 1/5/2007 – 1 /12/2007: Development of a collaborative platform for targeted advertising to Internet users (project code 04VEN71 PAVE NE 2004 of the General Secretariat for Research and Technology of Greece).

TEACHING EXPERIENCE

Free University of Bolzano, Italy

2016 -2018

Assistant Professor, Faculty of Computer Science

Courses taught in academic years 2016-2017 and 2018-2019

- Data bases (48h Exercises), BSc – Autumn Semester 2017
- Internet and Mobile Services (24h Exercises), BSc – Spring Semester 2017
- Data bases (24h Exercises), BSc – Autumn Semester 2018
- Information Search and Retrieval (24h Exercises), MSc, Spring Semester 2018

Doctoral Students (co-supervising with Prof. Markus Zanker)

- Ludovik Coba, Thesis Title: Offline and Online Evaluation of Recommender Systems

Masters Students Advised

- Dmitry Chaltcev, “Session-based News Recommendation using Markov and Probabilistic Modelling”, July 2018
- Lidija Kirjackaja, “Recommending News Using Graph-based Algorithms”, June 2018

Aristotle University of Thessaloniki, Greece
Assistant Professor, Department of Computer Science

2008 - 2015

Courses taught in Academic years 2011- 2012, 2012-2013, 2013-2014, 2014-2015, 2015-2016

- Databases for businesses at the Post Graduate Program of Departments of Informatics and Economics (Autumn Semester)
- Data Mining at the Post Graduate Program of the Departments of Informatics and Economics, Aristotle University of Thessaloniki (Spring Semester)

Doctoral Students (co-supervisor with Prof. Yannis Manolopoulos)

- Alexis Papadimitriou (5 common papers)

PhD Thesis: “Algorithms for Data Management and Data Knowledge Extraction in Graphs” (2012).

- Pavlos Kefalas (4 common papers)

PhD Thesis: “Recommendation Models for Big Spatio-Temporal Data” (2017).

Masters Students Advised

A/A Student Name. Master Thesis Title, academic year

- Stergios Xairistanidis, Beacommender: A sensor-based Recommender System for smart Phones, 2015-2016
- MOOC Recommendation through Enhanced Matrix Factorization techniques, 2015-2016
- Georgia Papagianni, Recommendation Algorithms in Twitter, 2015-2016
- Evaggelia Theodoridou, Link Prediction in Social Networks with Graph Mining, 2015-2016
- Zioupos Andreas. Dimensionality Reduction in Social Networks, 2014-2015
- Aggeliki Mitsou, Effective Management of Waiting Lines for Banks: DoNotWait.gr Case Study, 2015-2016
- Mavromati Styliani. Anomaly Detection from Big and Open Data, 2014-2015
- Misirgi Eleni. Advertising and cross-selling in Social Media, 2013-2014

- Nikopoulos Dimitris. Behavioural Analytics and Social Mining, 2013-2014
- Tsiptsas Naoum. Data Mining for Economic Crisis Detection, 2013-2014
- Dimitrios Ntempos. A survey on Location-based social networks, 2012-2013
- Emmanouil Daskalakis. MapReduce for recommender systems, 2012-2013
- Antonios Krinis. Location-based social networks website, 2011-2012
- Foivos Koliopoulos. Data Mining with SQL Server and R environments, 2011-2012
- Athanasios Floros. A recommendation engine for academic jobs, 2011-2012
- Pantelis Logginidis. Data mining for business intelligence, 2010-2011
- Christos Perentis. Link Prediction in Multi-Modal Social Networks, 2010-2011
- Ivaylo Kehayov. Text Data Mining, 2010-2011
- Nikolaos Mantas. Web Data Mining in social networks, 2009-2010

University of Western Macedonia, Greece

2008 - 2011

Assistant Professor, Computer Engineering and Tele-communications

Courses taught in Academic years 2008-2009, 2009-2010, 2010 - 2011

- Databases (BSc, Autumn Semester 2008)
- Internet Programming (BSc, Spring Semester 2009)
- Advanced Databases, (BSc, Autumn Semester 2010)
- Advanced Software Engineering (BSc, Spring Semester 2011)

PUBLICATIONS

Greek Book

1. Παναγιώτης Συμεωνίδης, Γούναρης Αναστάσιος, «Βάσεις Αποθήκες και Εξόρυξη Δεδομένων: Στο Εργαστήριο με τον SQL Server», Αθήνα: Σύνδεσμος Ελληνικών Ακαδημαϊκών Βιβλιοθηκών. Διαθέσιμο στο: <http://hdl.handle.net/11419/276>, ISBN: 978-960-603-021-5

International Books

1. Symeonidis, P., Zioupos, A., “Matrix and Tensor Factorization Techniques for Recommender Systems”, Series: Springer Briefs in Computer Science, 2017, 102 pages, 29 b/w illustrations, 22 illustrations in colour, ISBN, 978-3-319-41356-3 DOI: 10.1007/978-3-319-41357-0

2. Symeonidis, P., Ntempos D., Manolopoulos, Y., “Recommender Systems For Location-based Social Networks”, Series: Springer Briefs in Electrical and Computer Engineering, 2014, 118 pages, 41 illus., Softcover, ISBN 978-1-4939-0285-9
3. Balby Marinho, L., Hotho, A., Jäschke, R., Nanopoulos, A., Rendle, S., Schmidt-Thieme, L., Stumme, G., Symeonidis, P., “Recommender Systems for Social Tagging Systems”, Series: Springer Briefs in Electrical and Computer Engineering, 2012, 115 pages, 35 illus., Softcover, ISBN 978-1-4614-1893-1

Journal Publications

1. Kefalas, P., Symeonidis, P. & Manolopoulos, Y. Recommendations based on a heterogeneous spatio-temporal social network. World Wide Web Journal (2017). doi:10.1007/s11280-017-0454-0
2. Pavlos Kefalas, Panagiotis Symeonidis, and Yannis Manolopoulos: “A Graph-based Taxonomy of Recommendation Algorithms and Systems in LBSNs”, IEEE Transactions on Knowledge and Data Engineering (IEEE TKDE), Vol.28, N.3, pp. 604-622, 2016, 2015.
3. Panagiotis Symeonidis: “ClustHOSVD: Item Recommendation by Combining Semantically-enhanced Tag Clustering with Tensor HOSVD”, IEEE Transactions on Systems, Man & Cybernetics - Part A: Systems & Humans (10.1109/TSMC.2015.2482458), 2015
4. M. Sattari, I. Toroslu, P. Karagoz, P. Symeonidis, Y. Manolopoulos: “Extended Feature Combination Model for Recommendations in Location-based Mobile Services”, Knowledge & Information Systems, (DOI: 10.1007/s10115-014-0776-5), Vol.3, N.44, pp. 629-661, 2015.
5. Siddiqui Z.F., Tiakas E., Symeonidis P., Spiliopoulou M., Manolopoulos Y.: Learning Relational User Profiles and Recommending Items as their Preferences Change, International Journal of AI Tools, Vol.24, N.2, 2015.
6. P. Symeonidis, E. Tiakas: “Transitive Node Similarity: Predicting and Recommending Links in Signed Social Networks”, World Wide Web Journal (Springer), Vol.17, No.4, pp.743-776, 2014.
7. Symeonidis P., Tiakas E., Manolopoulos Y.: “A Unified Framework for Link and Rating Prediction in Multi-modal Social Networks”, International Journal of Social Network Mining, Vol.1, No.3/4, 2013.
8. P. Symeonidis, N. Mantas: “Spectral Clustering for Link Prediction in Social Networks with Positive and Negative Links”, Social Network Analysis & Mining (Springer), Vol.3, No.4, pp.1433-1447, 2013.

9. P. Symeonidis, N. Iakovidou, N. Mantas, Y. Manolopoulos: "From Biological to Social Networks: Link prediction based on Multi-way Spectral Clustering", *Data & Knowledge Engineering* (Elsevier), Vol.87, pp.226-242, 2013.
10. P. Longinidis, P. Symeonidis: "Corporate Dividend Policy Determinants: Intelligent versus a Traditional Approach", *Intelligent Systems in Accounting, Finance & Management*, Vol.20, No.2, pp.111-139, 2013.
11. A. Papadimitriou, P. Symeonidis, Y. Manolopoulos: "Fast and Accurate Link Prediction in Social Networking Systems", *Journal of Systems & Software*, Vol.85, No.9, pp.2119-2132, 2012.
12. A. Papadimitriou, P. Symeonidis, Y. Manolopoulos: "A Generalized Taxonomy of Explanations Styles for Traditional and Social Recommender Systems", *Data Mining & Knowledge Discovery* (Springer), pp.1-29, 2011.
13. P. Symeonidis, A. Nanopoulos, Y. Manolopoulos: "A Unified Framework for Providing Recommendations in Social Tagging Systems Based on Ternary Semantic Analysis", *IEEE Transactions on Knowledge and Data Engineering*, Vol.22, No.2, 2010.
14. A. Nanopoulos, D. Rafailidis, P. Symeonidis, Y. Manolopoulos: "MusicBox: Personalized Music Recommendation based on Cubic Analysis of Social Tags", *IEEE Transactions on Audio, Speech, & Language Processing*, Vol.18, No.2, 2010.
15. A. Deligiaouri, P. Symeonidis: "Skai (TV) - YouTube Debate": A New Era of Internetized Television Politics", *International Journal of E-Politics*, Vol.1, No.2, 2010.
16. P. Symeonidis, A. Deligiaouri: "Recommending Posts in Political Blogs based on Tensor Dimensionality Reduction", *International Journal of Engineering Intelligent Systems*, Vol.17, No.2-3, 2009.
17. P. Symeonidis, A. Nanopoulos, Y. Manolopoulos: "Providing Justifications in Recommender Systems", *IEEE Transactions on Systems, Man & Cybernetics - Part A: Systems & Humans*, Vol.38, No.6, 2008.
18. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Nearest-biclusters Collaborative Filtering with Constant and Coherent Values", *Information Retrieval* (Springer), Vol.11, No.1, 2008.
19. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Collaborative Filtering Systems: Combining Effectiveness and Efficiency", *Expert Systems with Applications* (Elsevier), Vol.34, No.4, pp.51-75, 2008.

Book Chapters

1. Symeonidis, Dimitrios Malakoudis: The MOOCRec.com Recommender System for the book entitled “Collaborative Recommendations: Algorithms, Practical Challenges and Applications” (20 pages to appear in 2018)
2. Panagiotis Symeonidis: “Matrix and Tensor Factorization in Recommender Systems”, In I. Pitas (ed.): Graph-based Social Media Analysis. CRC Press, Taylor & Francis group, Chapman & Hall/CRC, , pp. 187-210, 2015, 2015
3. L. Marinho, A. Nanopoulos, L. Schmidt-Thieme, R. Jaschke, A. Hotho, G. Stumme, P. Symeonidis: “*Social Tagging Recommender Systems*”. In F. Ricci, L. Rokach, B. Shaphira, and P. B. Kantor (eds.): “*Recommender Systems Handbook*”, LNCS Springer Book. ISBN: 978-0-387-85819-7, pp.615-644, 2011.
4. A. Deligiaouri, P. Symeonidis: “*Internetized Television Debates: Enhancing Citizens’ Participation*”, In C.R. Livermore (ed.): “*E-Politics and Organizational Implications of the Internet: Power, Influence and Social Change*, IGI Global Book, 2011.
5. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: “*Nearest-biclusters Collaborative Filtering based on constant values*”, In O. Nasraoui, O. Zaiane, M. Spiliopoulou, M. Mobasher, B. Masand, P. Yu (eds.): “*Advances in Web Mining and Web Usage Analysis*”, LNCS Springer, Vol.4811, pp.36-55, 2007.

Conference Papers

1. Sottocornola, G., Symeonidis, P., & Zanker, M. (2018, April). Session-based News Recommendations. In *Companion of the The Web Conference 2018 on The Web Conference 2018* (pp. 1395-1399). International World Wide Web Conferences Steering Committee.
2. Çoba, L., Symeonidis, P. and Zanker, Replicating and Improving Top-N Recommendations in Open Source Packages, Proceedings of the 8th International Conference on Web Intelligence, Mining and Semantics, (WIMS 2018)
3. Coba, L. and Zanker, M. and Rook, L. and Symeonidis, P., Exploring Users’ Perception of Rating Summary Statistics, Proceedings of the 26th Conference on User Modeling, Adaptation and Personalization UMAP 2018
4. Çoba, L., Symeonidis, P. and Zanker, M. Reproducing and Prototyping Recommender Systems in R. Proceedings of the 8th Italian Information Retrieval Workshop, 2017

5. Visual Analysis of Recommendation Performance. L Çoba, P Symeonidis, M Zanker, Proceedings of the Eleventh ACM Conference on Recommender Systems, 362-363, 2017
6. CheckInShop. eu: A Sensor-based Recommender System for micro-location Marketing. P Symeonidis, S Chairistanidis. Proceedings of the Eleventh ACM Conference on Recommender Systems, 351-352, 2017
7. P. Symeonidis: Matrix and Tensor Decomposition in Recommender Systems, Tutorial Presentation, RecSys '16, September 15-19, 2016, Boston, MA, USA, ACM 978-1-4503-4035-9/16/09. <http://dx.doi.org/10.1145/2959100.2959195>
8. P. Kefalas, P. Symeonidis: “Recommending friends and locations over a Heterogeneous Spatio-Temporal graph”, Model and Data Engineering (MEDI 2015), pp. 271-284, Island of Rhodes, Greece, 2015
9. P. Symeonidis, C. Perentis: “Link Prediction in Multi-modal Social Networks”, Proceedings of Machine Learning and Knowledge Discovery in Databases (ECML/PKDD)conference , pp. 147-162, Nancy France, 2014
10. Z.F. Siddiqui, E. Tiakas, P. Symeonidis, M. Spiliopoulou, Y. Manolopoulos: “xStreams: Providing Item Recommendations to Users with Time-evolving Preferences”, *Proceedings 4th International Conference on Web Intelligence, Mining & Semantics (WIMS)*, Thessaloniki, Greece, 2014.
11. P. Kefalas, P. Symeonidis, Y. Manolopoulos: “New Perspectives for Recommendations in Location-based Social Networks: Time, Privacy and Explainability”, *Proceedings 5th International Conference on Management of Emergent Digital EcoSystems (MEDES)*, pp.1-8, Neumuenster Abbey, Luxembourg, 2013.
12. P. Symeonidis, A. Krinis, Y. Manolopoulos: “GeoSocialRec: Explaining Recommendations in Location-based Social Networks”, *Proceedings 17th East-European Conference on Advanced Databases & Information Systems (ADBIS)*, pp. 84-97, Genova, Italy, 2013.
13. P. Symeonidis., I. Kehayov, Y. Manolopoulos: “Text Classification by Aggregation of SVD Eigenvectors”, *Proceedings 16th East-European Conference on Advances in Databases & Information Systems (ADBIS)*, pp.385-398, Poznan, Poland, 2012.
14. M. Sattari, I. Toroslu, P. Senkul, M. Manguoglu, P. Symeonidis, Y. Manolopoulos: “Geo-activity Recommendations by using Improved Feature Combination”, *Proceedings 4th ACM UNICOMP International Workshop on Location-Based Social Networks (LBSN)*, Pittsburgh, PA, 2012.

15. A. Papadimitriou, P. Symeonidis, Y. Manolopoulos: “Scalable Link Prediction in Social Networks based on Local Graph Characteristics”, *Proceedings 9th International Conference on Information Technology: New Generations (ITNG)*, Las Vegas, NV, 2012
16. P. Symeonidis, E. Tiakas, Y. Manolopoulos: “Product Recommendation and Rating Prediction based on Multi-modal Social Networks”, *Proceedings 5th ACM Conference in Recommender Systems (RecSys)*, Chicago, IL, 2011.
17. P. Symeonidis, A. Papadimitriou, Y. Manolopoulos, P. Senkul, I. Toroslu: “Geo-social Recommendations based on Incremental Tensor Reduction and Local Path Traversal”, *Proceedings 3rd ACM SIGSPATIAL International Workshop on Location-Based Social Networks (LBSN)*, Chicago, Illinois, 2011
18. A. Papadimitriou, P. Symeonidis, Y. Manolopoulos: “Geo-social Recommendations”, *Proceedings RecSys Workshop Personalization on Mobile Applications (PeMA)*, Chicago, Illinois, 2011.
19. A. Papadimitriou, P. Symeonidis, Y. Manolopoulos: “Predicting Links in Social Networks of Trust via Bounded Local Path Traversal”, *Proceedings 3rd Conference on Computational Aspects of Social Networks (CASON)*, Salamanca, Spain, 2011.
20. Z.F. Siddiqui, M. Spiliopoulou, P. Symeonidis, E. Tiakas: “A Data Generator for Multi-Stream Data”, *Proceedings PKDD Workshop Mining Ubiquitous & Social Environments (MUSE)*, Athens, Greece, 2011
21. P. Symeonidis, Y. Manolopoulos: “Explaining Recommendations of Movies in Web Video Rental Businesses”, *Proceedings 2nd Symposium on Business Informatics in Central & Eastern Europe (CEE)*, Cluj-Napoca, Romania, 2011
22. P. Symeonidis, E. Tiakas, Y. Manolopoulos: “Transitive Node similarity for Link Prediction in Social Networks with positive and negative links”, *Proceedings 4th ACM Conference in Recommender Systems (RecSys)*, pp.183-190, Barcelona, 2010.
23. N. Iakovidou, P. Symeonidis, Y. Manolopoulos: “Multiway Spectral Clustering Link Prediction in Protein-Protein Interaction Networks”, *Proceedings 10th IEEE International Conference on Information Technology & Applications in Biomedicine (ITAB)*, Corfu, 2010.
24. P. Symeonidis, A. Nanopoulos, Y. Manolopoulos: “MoviExplain: a Recommender Agent Providing Justified Recommendations”, *Proceedings 3rd ACM Conference in Recommender Systems (RecSys)*, New York, 2009.
25. P. Symeonidis: “User Recommendations based on Tensor Dimensionality Reduction”, *Proceedings 5th IFIP Conference on Artificial Intelligence Applications & Innovations (AIAI)*, pp.331-341, Thessaloniki, Greece, 2009.

26. P. Symeonidis, A. Nanopoulos, Y. Manolopoulos: "Tag Recommendations based on Tensor Dimensionality Reduction", *Proceedings 2nd ACM Conference in Recommender Systems (RecSys)*, pp.43-50, Lausanne, 2008.
27. P. Symeonidis, A. Nanopoulos, Y. Manolopoulos: "Justified Recommendations based on Content and Rating Data", *Proceedings 10th WebKDD Workshop in conjunction with KDD Conference*, Las Vegas, 2008.
28. P. Symeonidis, M. Ruxanda, A. Nanopoulos, Y. Manolopoulos: "Ternary Semantic Analysis of Social Tags for Personalized Music Recommendation", *Proceedings 9th Annual Conference on Music Information Retrieval (ISMIR)*, pp.219-224, Philadelphia, 2008
29. P. Symeonidis: "Content-based Dimensionality Reduction for Recommender Systems", *Proceedings 31st Annual Conference of the German Classification Society (GfKI)*, Freiburg, Germany, 2007 (Springer Book : Data Analysis, Machine Learning & Applications).
30. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Feature-weighted User Model for Recommender Systems", *Proceedings 11th International Conference on User Modelling (UM)*, Vol.4511, pp.97-106, Corfu, Greece, 2007.
31. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Collaborative Filtering: Fallacies and Insights in Measuring Similarity", *Proceedings Web Mining Workshop held in conjunction with PKDD/ECML conference*, pp.56-67, Berlin, Germany, 2006.
32. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Nearest-Biclusters Collaborative Filtering", *Proceedings WebKDD Workshop held in conjunction with KDD*, pp.15-25, Philadelphia, USA, 2006.
33. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Collaborative Filtering based on Users Trends", *Proceedings 30th Annual Conference of the German Classification Society (GfKI)*, Advances in Data Analysis, pp.375-382, Berlin, Germany, 2006.
34. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Collaborative Filtering Process in a Whole New Light", *Proceedings 10th IDEAS Conference*, pp.29-36, Delhi, India, 2006.
35. P. Symeonidis, A. Nanopoulos, A. Papadopoulos, Y. Manolopoulos: "Scalable Collaborative Filtering Based on Latent Semantic Indexing", *Proceedings AAAI Workshop on Intelligent Techniques for Web Personalization (ITWP)*, pp.1-9, Boston, USA, 2006.

PRESENTATIONS, TUTORIALS AND INVITED LECTURES

1. Tutorial in WIMS conference 2018 (Title: Contextual-Aware Recommender Systems based on Matrix Decompositions and Random Walks on Graphs)
2. Tutorial in ACM Summer School on Recommender Systems from 21/8-25/8 in Bolzano.(Title: Matrix and Tensor Factorization Techniques for Recommender Systems)
3. GIS and location-based services - 9th workshop "computer science research meets business" - 23 Nov 2017 (Title of my Talk: CheckInShop: A Recommender System for micro-location Services)
4. Professional High School of Bolzano “Landesberufsschule für Handwerk und Industrie” for the “Tag der offenen Tür” (contact person: Kuen, Thomas, informatik)

ENTREPRENEURSHIP & PATENTS

The co-founder of the following start-ups:

- www.moocrec.com
This is a website for recommending moocs (massive open online courses) to users based on their CV and their ideal job description.
- www.checkinshop.eu
This is a website for shops to provide “proximity and contextual marketing” to their smart-phone clients inside their physical store by using beacon technology.
- <http://delab.csd.auth.gr/careerfinder>
This is a website for recommending academic jobs to users.

COMMUNITY SERVICE

Editorial Board and Committee memberships in journals/conferences:

1. I am a member of the editorial board of the international journal Information Technology & Tourism (Springer publisher).
2. I am a Senior Program Committee member of the Recommender System conference.
3. I am a Program committee member for the WWW conference on the track User Modeling, Recommendation and Personalization.
4. I am a program committee member of the ECML PKDD conference
5. I am a program committee member for the East-European Conference on Advances in Databases and Information Systems (ADBIS).

Reviewer in journals/conferences

1. European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD)
2. International Conference on Knowledge Discovery from Databases (Workshop on Social Network Analysis - SNAKDD)

3. International Conference on Very Large Data Bases (VLDB)
4. International Conference on Artificial Neural Networks (ICANN)
5. ACM Transactions on Internet Technology (ACM TOIT)
6. The Computer Journal (Oxford Journals)
7. IEEE Transactions on Knowledge Discovery and Engineering (IEEE TKDE)
8. Operational Research: An International Journal
9. System, Man, and Cybernetics, IEEE Journal

LANGUAGES

English: Excellent, C2 Level

German: Advanced, C1 Level

Italian: Fluent, B1 level