Emmanouil Papangelis (Manos Papagelis)

York University, Lassonde School of Engineering
Electrical Engineering & Computer Science (LAS 3050)
http://www.eecs.yorku.ca/~papaggel
papaggel@eecs.yorku.ca

ACADEMIC APPOINTMENTS

2015 - present   **Assistant Professor**, *York University, Toronto, Canada*
Lassonde School of Engineering
Electrical Engineering & Computer Science
- Data Science: Graph Mining, Data Mining, Databases, Knowledge Discovery

2015 - 2016   **Lecturer and Postdoctoral Scholar**, *University of California, Berkeley*
UC Berkeley School of Information (iSchool)
- Data Mining, Graph & Information Network Mining, Databases & Knowledge Discovery

2010 - 2015   **Sessional Lecturer/Course Instructor**, *University of Toronto, Canada*
Department of Computer Science
- Databases, Systems, Programming

EDUCATION

2005 - 2015   **Ph.D.**, *University of Toronto, Canada*
Department of Computer Science
- Supervisor: Nick Koudas
- Area: Data Mining, Graph Mining, Knowledge Discovery, Databases
- Thesis: "Understanding and Improving Online Social Interactions and Processes: Methods, Algorithms & Applications."

2003 - 2005   **M.Sc.**, *University of Crete, Greece*
Department of Computer Science
- Supervisor: Dimitris Plexousakis
- Area: Information Systems, Computer Networks and Telecommunications
- Thesis: "Crawling the Algorithmic Foundations of Recommendation Technologies."

1998 - 2002   **B.Sc.**, *University of Crete, Greece*
Department of Computer Science
- Supervisor: Dimitris Plexousakis
- Thesis: "Study and Implementation of User-based Recommendation Algorithms and their Role in the Formation of Online Virtual Communities."

SCHOLARSHIPS / AWARDS

Sep 2010	Elsevier Engineering Applications of AI Top Cited Article 2005-2010 Award
Nov 2010	Platform Computing Graduate Fellowship in Computer Science
Sep'05-Sep'10	University of Toronto - Graduate Fellowship
Jun'10-Aug'10	Yahoo! Research, Barcelona - Internship Fellowship
May'09-Jul'09	Yahoo! Research, Barcelona - Internship Fellowship
Sep'04-May'05	European Union - Award for "Innovative Ideas Worth Funding"

Feb'05-Jul'05	FORTH-ICS - Training and Specialization Fellowship
Feb'03-Jan'05	FORTH-ICS - Graduate Fellowship
Sep'02-Feb'03	FORTH-ICS - Training and Specialization Fellowship
1992-1997	Greek Ministry of Education and Religions -Honors Award for Excellence in Education

PUBLICATIONS ————————————————————————————————

Journals
- Tamer El-Diraby, Thomas F. Krijnen, **Manos Papagelis**, "Green2.0: A BIM-based System for Collaborative Design and Socio-technical Analytics of Green Buildings". Submitted, 2016
- **Manos Papagelis**, "Refining Social Graph Connectivity via Shortcut Edge Addition". ACM TKDD, Vol. 10, Issue 2, 2015
- **Manos Papagelis**, *Gautam Das*, *Nick Koudas*. "Sampling Online Social Networks". IEEE TKDE, Vol. 25, Issue 3, March 2013
- *Martin Doerr*, **Manos Papagelis**. "A Method for Estimating the Precision of Placename Matching". IEEE TKDE, Vol 19, Issue 8, Aug 2007
- **Manos Papagelis**, *Dimitris Plexousakis*. "Qualitative Analysis of User-based and Item-based Prediction Algorithms for Recommendation Agents". Elsevier EAAI, Vol 18, Oct 2005. ***Elsevier EAAI Top Cited Article 2005-2010 Award***

Conferences
- **Manos Papagelis**, *Thomas F. Krijnen, Mohamed Elshenawy, Theohar Konomi, Roy Fang, Tamer El-Diraby*. "Green2.0: Enabling Complex Interactions Between Buildings and People". ACM CSCW, 2016.
- *Tamer El-Diraby, Thomas F. Krijnen*, **Manos Papagelis**. "Green2.0: Socio-technical Analytics of Green Buildings". ICSIC, 2016.
- **Manos Papagelis**, "Refining Social Graph Connectivity via Shortcut Edge Addition". HDMS 2015
- *Alan M. Redmond*, **Manos Papagelis**, *Tamer El-Diraby*, "Employing Exploratory Research Stage to Evaluate Green Building Technologies for Sustainable Systems". ICCSTE 2015.
- **Manos Papagelis**, *Francesco Bonchi, Aristides Gionis*. "Suggesting Ghost Edges for a Smaller World". ACM CIKM 2011
- **Manos Papagelis**, *Vanessa Murdock, Roelof van Zowl*. "Individual Behavior and Social Influence in Online Social Systems". ACM Hypertext 2011
- **Manos Papagelis**, *Nilesh Bansal, Nick Koudas*. "Information Cascades in the Blogosphere: A Look Behind the Curtain". ICWSM 2009
- *Athanasios Papagelis*, **Manos Papagelis**, *Christos Zaroliagis*. "Enabling Social Navigation on the Web". IEEE/WIC/ACM Web Intelligence 2008
- *Athanasios Papagelis*, **Manos Papagelis**, *Christos Zaroliagis*. "iClone: Towards Online Social Navigation". ACM Hypertext 2008
- **Manos Papagelis**, *Dimitris Plexousakis, Panagiotis N. Nikolaou*. "CONFIOUS: Managing the Electronic Submission and Reviewing Process of Scientific Conferences". WISE 2005
- **Manos Papagelis**, *Dimitris Plexousakis, Themistoklis Kutsuras*. "Alleviating the Sparsity Problem of Collaborative Filtering Using Trust Inferences". iTrust 2005
- **Manos Papagelis**, *Ioannis Rousidis, Dimitris Plexousakis, Elias Theoharopoulos*. "Incremental Collaborative Filtering for Highly-Scalable Recommendation Algorithms". IS-MIS 2005

- **Manos Papagelis**, *Ioannis Rousidis, Dimitris Plexousakis, Elias Theoharopoulos*. "Qualitative Analysis of User-based and Item-based Prediction Algorithms for Recommendation Systems". HDMS 2004
- **Manos Papagelis**, *Dimitris Plexousakis*. "Recommendation Based Discovery of Dynamic Virtual Communities". CAiSE 2003

Workshops
- *Gautam Das, Nick Koudas*, **Manos Papagelis**, *Sushruth Puttaswamy*. "Efficient Sampling of Information in Social Networks". CIKM/SSM 2008
- *Martin Doerr*, **Manos Papagelis**. "Precision Estimation for Matching Place Names to a Digital Gazetteer". ECDL/NKOS 2004
- **Manos Papagelis**, *Dimitris Plexousakis*. "Qualitative Analysis of User-based and Item-based Prediction Algorithms for Recommendation Agents". CIA 2004

Magazines
- **Manos Papagelis**, *Dimitris Plexousakis*. "CONFIOUS: Conference Management System with Intelligence, Power and Style". ERCIM News Magazine, vol. 64, Jan 2006

Patents
- *Vanessa Murdock, Roelof van Zowl*, **Manos Papagelis**,. "Media or Content Tagging Determined by User Credibility Signals". US Patent App. 12/898,654, 2010
- *Vanessa Murdock, Roelof van Zowl*, **Manos Papagelis**,. "Measuring or Estimating User Credibility". US Patent App. 12/898,644, 2010

Theses
- **Manos Papagelis**. "Understanding and Improving Online Social Interactions and Processes: Methods, Algorithms & Applications". PhD Thesis, Apr 2015
- **Manos Papagelis**. "Crawling The Algorithmic Foundations of Recommendation Technologies". M.Sc. Thesis, Mar 2005
- **Manos Papagelis**. "Study and Implementation of User-based Recommendation Algorithms and their role in the Formation of Online Virtual Communities". B.Sc. Thesis, Sep 2003

CITATIONS ANALYSIS

Citations: **700+**, *h-index*: **11** (Oct 2016)
Details available upon Request.
Google Scholar Citations profile: `http://goo.gl/3bi9m`

REVIEWER/ EXTERNAL REVIEWER

Journals
- ACM TKDD, ACM TODS, ACM TOIT, ACM TIST, PVLDB, IEEE TKDE, IEEE IC, IEEE TIFS, IEEE J-STSP, Social Network Analysis and Mining, Information Systems, Information Sciences, Internet Mathematics, Artificial Intelligence Tools

Conferences
- ICDE15, EDBT15, EDBT14, KDD14, KDD13, KDD08, KDD07, WWW10, CIKM10, HT12, HT10, ISWC05, ISWC04

Workshops
- SMUC11, SMUC10, MSM09

TEACHING EXPERIENCE

Aug'16-present **York University, Toronto, Canada**
Job Title *Assistant Professor*
Job Description Teaching courses of Computer Science
- Information Networks, Big Data Systems

Aug'15-Aug-16	**University of California, Berkeley, United States**
Job Title	*Professional Faculty*
Job Description	Teaching at UC Berkeley's School of Information Master in Data Science (MIDS) program:

- Data Science W205 - Storing and Retrieving Data (Masters Course), F15

Sep'10-Apr'15	**University of Toronto, Canada**
Job Title	*Sessional Lecturer/Course Instructor*
Job Description	Instructor of Computer Science and Computer Engineering courses:

- CSC343 - Introduction to Databases (3rd year course), F11, F12, F13, W14, F14, W15
- CSC309 - Programming on the Web (3rd year course), S11, S12, W15
- CSC209 - Software Tools and Systems Programming (2nd year course), W12, S13
- APS106 - Fundamentals of Computer Programming (1st year course), W13
- APS105 - Computer Fundamentals (1st year course), F10

Sep'05-Sep'10	**University of Toronto, Canada**
Job Title	*Teaching Assistant*
Job Description	I have been a teaching assistant in various courses of the Computer Science curriculum including: Introduction to Databases, Software Engineering, Programming on the Web, Information Systems Analysis and Design, Computer Science for the Sciences, Software Tools and Systems Programming, Data Base Management Systems, Business Process and Workflow Management Systems.

Jun'05-Jul'05	**Prefecture of Heraklion, Crete, Greece**
Job Title	*Volunteer Instructor - Introduction to Computing*
Job Description	I have been responsible for all aspects of the course, including delivering the lectures and planning tutorials, assignments and tests.

Jan'03-Jan'05	**University of Crete, Greece**
Job Title	*Teaching Assistant*
Job Description	I have been a teaching assistant in various courses of the Computer Science curriculum including: Business Process and Workflow Management Systems, Data Base Management Systems, Web Programming.

RESEARCH EXPERIENCE

Aug'15-now	**University of California, Berkeley, United States**
Job Title	*Postdoctoral Scholar*
Job Description	Research related to topics of:

- Data Mining and Analysis
- Graph and Information Network Mining
- Databases and Knowledge Discovery
- Smart Cities and City Science

Sep'12-Aug'15	**University of Toronto, Canada**
Job Title	*Research Fellow/Software Architect*
Job Description	I have been involved in a research and development project which main objective is to design and develop a middleware platform that can enable socio-technical analytics of Green Buildings; publishable research work related to:

- Smart Cities and Big Data

Sep'05-Apr'15	**University of Toronto, Canada**
Job Title	*Research Fellow*
Job Description	Publishable research work related to:

- Algorithmic and Computational Aspects of Online Social Interactions
- Social Search and Search Personalization
- Online Social Navigation

Sep'05-now	**Self-Employed**
Job Title	*System Architect of Confious (`www.confious.com`)*
Job Description	Development and Distribution of the Confious Conference Management System.

Jun'10-Aug'10	**Yahoo! Research, Barcelona, Spain**
Job Title	*Research Intern*
Job Description	Publishable research work related to:

- Influence Maximization in Online Social Media
- Graph Augmentation Algorithms

May'09-Jul'09	**Yahoo! Research, Barcelona, Spain**
Job Title	*Research Intern*
Job Description	Publishable research work related to:

- Social Influence in Online Social Media
- Models of User Credibility in Online Social Media

Sep'02-Sep'05	**Foundation of Research and Technology Hellas (FORTH)**
	Institute of Computer Science (ICS)
	Information Systems Laboratory
Job Title	*Research Fellow*
Job Description	Publishable research work related to:

- Recommendation Algorithms and Online Reputation Systems
- Automatic Place Name Identification for Geospatial Data Integration
- Computer Supported Collaborative Work

In addition, development of:

- A Knowledge Base for Museum Objects & Semantic Web Tools
- A Geospatial Data Integration System
- A Movie Recommendation System
- A Conference Management System

Oct'99-Sep'01	**Atlantis Group Research Unit, University of Crete, Greece**
Job Title	*Founding Member of the Group/ Software Engineer*
Job Description	Development of Web Portals and Mobile Services.

LANGUAGES ───

Greek	Native
English	Fluent - Hold Certificate of Proficiency in English, University of Michigan
French	Basic - Hold Certificate of Proficiency in French (Sorbonne II), Sorbonne

MEMBERSHIPS AND ASSOCIATIONS ──────────────────────────────

ACM Member, IEEE Member

University of Toronto, Canada, Alumni
University of Crete, Greece, Alumni
FORTH-ICS, External Collaborator