

# CURRICULUM VITAE – MICHAEL TSIKERDEKIS

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## PERSONAL INFORMATION

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I am a strongly motivated individual, determined to learn, adapt and evolve personally as well as professionally. In all aspects of life, I consistently strive to achieve the highest and best result possible with any challenge that may come my way. I believe that innovation and progress are the keys to achieving success. Together with my lifelong commitment to scientific learning, research and teaching, I believe that knowledge should be constantly pursued and shared. I possess a strong conviction in multiculturalism and believe in the many benefits of bringing people of diverse backgrounds together. The advantages of people learning from each other, sharing their knowledge with one another and expanding their understanding of the world is not only amazingly fun but highly profitable when new knowledge is brought to the table.

## ACADEMIC POSITIONS

<b>Assistant Professor, Department of Computer Science, Western Washington University</b>	07/2017 - Present
Assistant Professor, School of Information Science, University of Kentucky	08/2013 - 07/2017
Teaching Assistant, Masaryk University	09/2012 - 01/2013
Lecturer, Masaryk University	02/2012 - 07/2012

## EDUCATION

Ph.D. Informatics[Computer Science]	Masaryk University, Czechia	2013
Mgr. Forestry and Natural Environment	Aristotle University, Greece	2008

## OTHER RELEVANT WORK EXPERIENCE

**IBM IDC (GSDC) - Brno, Czech Republic, 12/2008 - 02/2009**  
IT System Server Operator. International Business Machines (IBM), IDC (GSDC) Brno, Responsibilities: Monitoring server applications, databases and backups Win2000/win2003/ORACLE/SQL/SAP/AIX. Support for the French branch of IBM clients. Monitoring of Tivoli problem system.

## PEER-REVIEWED PUBLICATIONS

[c3] Heller, L., **Tsikerdekis, M.** (2018). Selective Equation Constructor: A Scalable Genetic Algorithm. IEEE International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Thessaloniki, 2018, pp. 1-10.

[j14] **Tsikerdekis, M.** (2018) Persistent Code Contribution: A Ranking Algorithm for Code Contribution in Crowdsourced Software. *Empirical Software Engineering*. 23(4), 1871-1894, doi: 10.1007/s10664-017-9575-4. **Impact Factor: 3.275**

[j13] **Tsikerdekis, M.**, Yu, N. (in-press) Unit Support, Past Experience and Researcher Attitude for Intrainstitutional Research Collaboration. *Higher Education Policy*. **Impact Factor: 0.727**

[j12] **Tsikerdekis, M.** (2017) Cumulative Experience and Recent Behavior and their Relation to Content Quality on Wikipedia. *Interacting with Computers*. 29(5), 737-754, doi: 10.1093/iwc/iwx010. **Impact Factor: 1.410**

[j11] **Tsikerdekis, M.** (in-press) Real-Time Identity Deception Detection Techniques for Social Media: Optimizations and Challenges. *IEEE Internet Computing*. **Impact Factor: 1.4**

[j10] **Tsikerdekis, M.** (2017). Identity Deception Prevention using Common Contribution Network Data. *IEEE Transactions on Information Forensics & Security*, 12(1), 188-199. doi: 10.1109/TIFS.2016.2607697. **Impact Factor: 2.441**

[j9] Nemer, D., **Tsikerdekis, M.** (2017). Political Engagement and ICTs: Internet Use in Marginalized Communities. *Journal of the Association for Information Science and Technology*. 68(6), 1539-1550. doi:10.1002/asi.2377. **Impact Factor: 1.850**

[j8] **Tsikerdekis, M.** (2017). Designing a Successful Collaborative Wiki: The Choice between Outcome Quality and Online Community. *International Journal of Technology and Human Interaction*, 13(2), 22-39. doi:10.4018/IJTHI.2017040102. **RG Impact Factor: 0.67.**

[b2] **Tsikerdekis, M.** (2016). Bayesian Inference. In J. Robertson & M. C. Kaptein (Eds.), *Modern Statistical Methods for HCI*. London, U.K.: **Springer**.

[j7] **Tsikerdekis, M.** (2016). Personal Communication Networks and their Positive Effects on Online Collaboration and Outcome Quality on Wikipedia. *Journal of the Association for Information Science and Technology*, 67(4), 812-823. doi:10.1002/asi.23429. **Impact Factor: 2.23**

[j6] **Tsikerdekis, M.**, Zeadally, S. (2015). Detection and Prevention of Online Identity Deception in Social Networking Services (SNSs). *IEEE Internet Computing*, 19(3), 41-49. doi:10.1109/MIC.2015.21. **Impact Factor: 2.0.** (Selected as the **Feature Article** (for July 2015) by *IEEE Computer Society Special Technical Committee on Social Networking*.)

[b1] Truta, T., **Tsikerdekis, M.**, Zeadally, S. (2015). Privacy in Social Networks. In S. Zeadally & M. Barda (Eds), *Privacy in a Digital, Networked World*. London, U.K.: **Springer**. ISBN 978-3-319-08469-5.

[j5] **Tsikerdekis, M.**, Zeadally, S. (2014). Online Deception in Social Media. *Communications of the ACM*, 57(9), 72-80. doi:10.1145/2629612. **Impact Factor: 2.863**

[j4] **Tsikerdekis, M.**, Zeadally, S. (2014). Multiple Account Identity Deception Detection in Social Media Using Non-Verbal Behavior. *IEEE Transactions on Information Forensics & Security*, 9(8), 1311-1321. doi:10.1109/TIFS.2014.2332820.

**Impact Factor: 2.065**

[j3] **Tsikerdekis, M.** (2013). The effects of perceived anonymity and anonymity states on conformity and groupthink in online communities: A Wikipedia study. *Journal of the American Society for Information Science and Technology*, 64(5), 1001–1015. doi:10.1002/asi.22795. **Impact Factor: 2.081**

[c2] **Tsikerdekis, M.** (2013). Dynamic Voting Interface in Social Media: Does it Affect Individual Votes? In P. van E. Boas, F. C. A. Groen, G. F. Italiano, J. Nawrocki, & H. Sack (Eds.), *SOFSEM 2013: Theory and Practice of Computer Science* (pp. 552–563). Springer Berlin Heidelberg. doi:10.1007/978-3-642-35843-2\_47. **Rank: B (CORE2014)**

[j2] **Tsikerdekis, M.** (2012). Pro/Con Lists and their Use in Group Decision Support Systems for Reducing Groupthink. *INFOCOMP Journal of Computer Science*, 11(2), 10-20.

[j1] **Tsikerdekis, M.** (2012). The choice of complete anonymity versus pseudonymity for aggression online. *eMinds International Journal on Human-Computer Interaction*, 2(8), 35–57.

[c1] **Tsikerdekis, M.** (2011). Engineering anonymity to reduce aggression online. In K. Blashki (Ed.), *IADIS International Conference - Interfaces and Human Computer Interaction* (pp. 463–467).

*Note: Impact factors, h5-index, acceptance rates are taken at the time when manuscripts were submitted for review.*

*Legend: j - journal, c - conference paper, b - book chapter, undergraduate student*

POSTERS AND OTHER PUBLICATIONS

[p2] Baker, T., Hubbard, C., **Tsikerdekis, M.** (2018). Public Entity Network Security Monitoring by Student Security Analysts. Proceedings of the 22nd Colloquium for Information Systems Security Education. 2018. New Orleans, LA. **Runner-Up Best Student Poster.**

[p1] Willis, D.J., **Tsikerdekis, M.** (2017). Behavior Based Wireless Surveillance. *National Conference of Undergraduate Research, Computer Science Track*, 6-8 April 2017, University of Memphis, Memphis, TN, USA.

GRANT PROPOSALS

**Tsikerdekis, M.**, Hao, Q. (2018). Examining the Influences of Automated Formative Feedback for Programming Assignments. **Grant Proposal.** In response to: Small Research Grants, Spencer Foundation.

**Tsikerdekis, M.**, Hao, Q. (2018). Examining the Influences of Automated Formative Feedback for Programming Assignments. **Grant Proposal.** In response to: Project Development Awards, Western Washington University.

**Tsikerdekis, M.** (2017). CAREER: Towards a Unified, Generalized and Adaptable Identity Deception Detection Model. **Grant Proposal.** In response to: NSF 17-537 Faculty Early Career Development Program (CAREER).

Bloch, M. (GeorgiaTech), Feamster, N. (Princeton), Feron, E. (GeorgiaTech), Langbort, C. (UIUC), **Tsikerdekis, M. (UK) Co-PI**, Yener, A. (PennState). (2016). Exploiting fundamental information and cognitive limits for deception-based cyber-defense. (**White Paper & Grant Proposal**). In response to: Office of Naval Research, FOA Announcement N00014-16-R-FO05 FY2017 MURI Topic #23 (ARO) Cyber Deception through Active Leverage of Adversaries' Cognition Process

SELECT INVITED  
LECTURES,  
PRESENTATIONS AND  
INTERVIEWS

[Interview] *Western Front*. An Invasion Of Privacy: Staying Cyber-Safe in the Cambridge Analytica Era. May 16, 2018.

<http://www.westernfrontonline.com/2018/05/16/an-invasion-of-privacy-staying-cyber-safe-in-the-cambridge-analytica-era/>

[Interview] *WWU ACM Club*. New Faculty Interviews. November 18, 2017.

[Interview] *University of Kentucky Now*. First UK ICT Student Presents at National Conference on Undergraduate Research. April 14, 2017.

<https://uknow.uky.edu/student-life/first-uk-ict-student-presents-national-conference-undergraduate-research>

[Interview] *IEEE Technical Community Spotlight*. Pragmatic Advice on Finding the Right Job in Computing. November 28, 2016.

<http://sites.ieee.org/spotlight/finding-the-right-career-in-computing/>

[Interview] *Seattle Metropolitan Magazine*. The Psychological Effects of Online Hoaxes Might Actually Be Beneficial. November 2016.

<https://www.seattlemet.com/articles/2016/10/20/the-psychological-effects-of-online-hoaxes>

[Interview] *IEEE Computing Edge*. Finding the Social-Networking Job You Want. August 2016.

<https://www.computer.org/cms/computing-edge/ce-aug16-final.pdf>

[Seminar] Tsikerdekis, M. Detecting Deception in a Digitally Connected World. *CS Seminar, University of Central Florida*, August 2016.

[Seminar] Tsikerdekis, M. Designing Emerging Media and Deception. *Electrical Engineering Seminars, University of Hawai'i @ Mano'a*, April 2016.

[Invited Seminar] Tsikerdekis, M., Zeadally, S. Identity Deception in Social Media. *Research Seminar Series, College of Communication and Information, University of Kentucky*, September 17, 2014.

[Interview] *University of Kentucky Now*. UK ICT Professors Explore Deception in Social Media. August 28, 2014.

<https://uknow.uky.edu/research/uk-information-communication-technology-ict-professors-explore-deception-social-media>

[Mini-Ted] Tsikerdekis, M., McNealy J., Zeadally, S. (January 30, 2014). Security and Privacy in Cyberspace. *Mini-TED, Honors Living Learning Community*,

*University of Kentucky.*

[Invited Panel] Tsikerdekis, M., McNealy J., Zeadally, S. *Late Night Film Series - Fifth Estate. University of Kentucky*, January 29, 2014.

[**TV Interview**] **WLEX News Report (NBC-affiliate)**. Interview on Geo-tagging Security and Privacy Protection. November 2013.  
<https://www.youtube.com/watch?v=J13R-0bLd0k>

[Seminar] Tsikerdekis, M. Social Interaction Design (SxID) for Social Media. *SitSem 2012*, September 2012.

[Invited Seminar] Tsikerdekis, M. Introduction to Social Media and Social Networks. *SitSem 2012 Invited Seminar Presentation*, September, 2012.

HONORS & AWARDS    **College Research Activities Grant Incentive Award** - University of Kentucky. November 2016.

**Top seminar presentation award – Masaryk University.** *Received scholarship for top seminar presentation in the Informatics seminars held at the Department of Informatics. Academic year 2010/2011*, December 2011

**Doctoral student support scholarship - Masaryk University.** January 2011 - September 2011.

**Top seminar presentation award – Masaryk University** *Received scholarship for excellence in seminar presentations for Informatics seminars held at the Department of Informatics. Academic year 2009/2010.* May 2010.

**Doctoral student support scholarship – Masaryk University.** January 2010 - December 2010.

SERVICE

Western Washington University

- Member    Senate Library Committee, 2017-2018
- Member    CS Undergraduate Curriculum Committee, 2017-2018
- Member    CS Student Centered Learning Group, 2017-2018

University of Kentucky

Member	MSc Exam Committee, Clay Watson, 2017
Member	PhD Defense External Examiner, Anna Manley, 2017
<b>Co-Director</b>	<b>ICT ColLab, 2016 - 2017</b>
Member	School Executive Committee, 2016 - 2017
Member	Curriculum Development Committee, 2016 - 2017
Founding Faculty	ICT Undergraduate and Graduate Programs at University of Kentucky, 2013 -2017
Member	MSc Thesis Committee, Stephanie Winkler, 2016
Member	Ad Hoc Curriculum Development Committee for College Graduate Program, 2015 - 2016
Member	MSc Project Evaluation Committee, Ivelin Denev, 2015
<b>Chair</b>	<b>ICT Faculty Search Committee, 2014 - 2015</b>
<b>Chair</b>	<b>Diversity Committee, School of Information Science, 2014 - 2015</b>
Member	Graduate Faculty for MSc and PhD in Communication, 2014 - 2017
Member	ICT Faculty Search Committee, 2013 - 2014
Member	Strategic Planning Committee for Research, College of Communication and Information, 2013 - 2014

Professional

Member	Public Infrastructure Security Collaboration and Exchange System (PISCES), Technical Advisory Committee, 2018 - Present
Member	Institute of Electrical and Electronics Engineers (IEEE), 2016 - Present
<b>Editor</b>	Open Information Science Journal, 2016 - Present
Member	Kentucky Academy of Science, 2015 - 2017
Member	Association for Information Science and Technology (ASIST), 2013 - 2016
Session Chair	INISTA 2018
Reviewer	Algorithms (2017), MIS Quarterly (2015), Journal of Homeland Security and Emergency Management (2014), World Wide Web Journal (2016), ACM Mobile HCI (2016), ASIST&T (2014, 2015, 2016), iConference (2014, 2015), Journal of Information Science Theory and Practice (2014), Journal of the Association for Information Science and Technology (2013, 2015, 2017, 2018), INFOCOMP Journal of Computer Science (2012, 2014, 2016), Journal of Computer-Mediated Communication (2014), Journal of Communication (2015), Cryptography (2017), Information Security Journal: A Global Perspective (2017), International Journal of Communication Systems (2017), Computers in Human Behavior (2018).

TEACHING

**Advanced Network System Security (CSCI 497L): Western Washington University.** Undergraduate course - Spring 2018.

**Advanced Network System Security (CISS 469): Western Washington University.** Undergraduate course - Winter 2018.

**Computer Networks I (CSCI 367): Western Washington University.** Undergraduate course - Fall 2017.

**Introduction to Databases (ICT301): University of Kentucky.** Undergraduate course - Fall 2014, 2015, 2016; Spring 2017.

**Content Management Systems (ICT690): University of Kentucky.** Graduate course - Spring 2017.

**Content Management Systems (ICT390-001, ICT 302): University of Kentucky.** Undergraduate course - Spring 2015, 2016.

**Content Management Systems (LIS690-204): University of Kentucky.** Graduate course - Spring 2014, 2015.

**Technologies for Information Services (ICT202): University of Kentucky.** Undergraduate course - Fall 2013, 2014, 2015, 2016; Spring 2014, 2016; Summer 2016, 2017.

**Statistical Data Analysis with SPSS (SOC758), Masaryk University.** Graduate course - Spring 2012.

COURSE DESIGN AND  
GUEST LECTURES

**Capstone Seminar (CSCI495): Computer Networks, Western Washington University** (Undergraduate course - Fall 2017, Spring 2018). Guest Lecture.

**Proseminar in Communication (CJT601): Intro to Social Computing, University of Kentucky** (Graduate course - Fall 2015). Guest Lecture.

**Research Methodology (SOC756): Quantitative Research Methods, Masaryk University** (Graduate course - Fall 2012). Guest Lecture.

**Human-Computer Interaction (VIKMB19): Social Interaction Design and Social Media, Masaryk University** (Graduate course - Fall 2012). Guest Lecture.

**Net-Centric Computing (PA159): Social Media & Social Networks, Masaryk University** (Undergraduate course - Fall 2011). Guest Lecture.

**Graph Theory (PB165): Introduction to Social Network Analysis, Masaryk University** (Graduate course - Fall 2011). Guest Lecture.

**Project Management and Service Lifecycle (PA179), Masaryk University** (Graduate course - Spring 2009). Lecture Presentations Development.

**Computational Logic (IA008): Intuitionist Logic, Masaryk University** (Undergraduate course - Spring 2009). Lecture Presentation Development.

COMPUTER SKILLS

**Operating systems** Windows & Linux.

**Servers and databases** Apache2, openssh, NFS, CUPS, MySQL/MariaDB, NoSQL, Samba, Bind.

**Programming, scripting and markup languages** C-Sharp, C, Python, Bash, PHP, L<sup>A</sup>T<sub>E</sub>X, HTML, CSS, Delphi, Javascript, VBScript.

**CMF, CMS and CMS-like systems** Canvas, Blackboard, WikkaWiki, Invision PB, Drupal, Wordpress.

**General Software** Microsoft Office, Autocad, Adobe Photoshop, Illustrator, Balsamiq Mockups, GUIDesign Studio.

**Scientific Software** SPSS, Atlas.ti, R, REDCap, various data mining, machine learning and social network analysis tools.

LANGUAGE SKILLS     **English:** Fluent. **Greek:** Fluent. **Czech:** Fluent. **Spanish:** Advanced. **Chinese:** Beginner.

LAST UPDATED         July 3, 2018