

CURRICULUM VITAE – MICHAEL TSIKERDEKIS

PERSONAL INFORMATION

Michael Tsikerdekis
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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

Assistant Professor, Department of Computer Science, Western Washington University	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

Type	Count
Journal articles	14
Book chapters	2
Conference articles	4
Conference posters	2

Legend: *Me*, *UNDERGRADUATE STUDENT*

Tsikerdekis, M., S. Zeadally, **A. SCHLESNER**, and N. Sklavos, “Approaches for Preventing Honey-pot Detection and Compromise”, in *IEEE Global Information Infrastructure and Networking Symposium (GIIS)*, Thessaloniki, Greece: IEEE, 2018

HELLER, L. and **M. Tsikerdekis**, “Selective Equation Constructor: A Scalable Genetic Algorithm”, in *IEEE Innovations in Intelligent Systems and Applications (INISTA)*, 2018, pp. 1–10, ISBN: 978-1-5386-5150-6. DOI: [10.1109/INISTA.2018.8466278](https://doi.org/10.1109/INISTA.2018.8466278).

Tsikerdekis, M., “Persistent code contribution: a ranking algorithm for code contribution in crowdsourced software”, *Empirical Software Engineering*, vol. 23, no. 4, pp. 1871–1894, 2018, ISSN: 15737616. DOI: [10.1007/s10664-017-9575-4](https://doi.org/10.1007/s10664-017-9575-4). **Impact Factor: 3.275**

Tsikerdekis, M. and N. Yu, “Unit Support, Past Experience and Researcher Attitude for Intra-institutional Research Collaboration: Survey Study in a US Doctoral/Research University”, *Higher Education Policy*, pp. 1–23, 2017, ISSN: 17403863. DOI: [10.1057/s41307-017-0071-7](https://doi.org/10.1057/s41307-017-0071-7). **Impact Factor: 0.727**

Tsikerdekis, M., “Cumulative experience and recent behavior and their relation to content quality on Wikipedia”, *Interacting with Computers*, vol. 29, no. 5, pp. 737–754, 2017, ISSN: 09535438. DOI: [10.1093/iwc/iwx010](https://doi.org/10.1093/iwc/iwx010). **Impact Factor: 1.410**

Tsikerdekis, M., “Real-Time Identity Deception Detection Techniques for Social Media: Optimizations and Challenges”, *IEEE Internet Computing*, vol. 22, no. 5, pp. 35–45, 2017, ISSN: 10897801. DOI: [10.1109/MIC.2017.265102442](https://doi.org/10.1109/MIC.2017.265102442). **Impact Factor: 1.4**

Tsikerdekis, M., “Identity Deception Prevention Using Common Contribution Network Data”, *IEEE Transactions on Information Forensics and Security*, vol. 12, no. 1, pp. 188–199, 2017, ISSN: 15566013. DOI: [10.1109/TIFS.2016.2607697](https://doi.org/10.1109/TIFS.2016.2607697). **Impact Factor: 2.441**

Nemer, D. and **M. Tsikerdekis**, “Political engagement and ICTs: Internet use in marginalized communities”, *Journal of the Association for Information Science and Technology*, vol. 68, no. 6, pp. 1539–1550, 2017, ISSN: 23301643. DOI: [10.1002/asi.23779](https://doi.org/10.1002/asi.23779). **Impact Factor: 1.850**

Tsikerdekis, M., “Designing a Successful Collaborative Wiki”, *International*

Journal of Technology and Human Interaction, vol. 13, no. 2, pp. 22–39, 2017, ISSN: 1548-3908. DOI: [10.4018/IJTHI.2017040102](https://doi.org/10.4018/IJTHI.2017040102). **RG Impact Factor: 0.67.**

Tsikerdekis, M., “Modern Statistical Methods for HCI”, in *Modern Statistical Methods for HCI*, Robertson, J. and M. C. Kaptein, Eds., London, U.K.: Springer, 2016, ch. 7, pp. 173–197, ISBN: 978-3-319-26631-2. DOI: [10.1007/978-3-319-26633-6](https://doi.org/10.1007/978-3-319-26633-6). arXiv: [arXiv:1011.1669v3](https://arxiv.org/abs/1011.1669v3). [Online]. Available: <http://link.springer.com/10.1007/978-3-319-26633-6>.

Tsikerdekis, M., “Personal communication networks and their positive effects on online collaboration and outcome quality on Wikipedia”, *Journal of the Association for Information Science and Technology*, vol. 67, no. 4, pp. 812–823, 2016, ISSN: 23301643. DOI: [10.1002/asi.23429](https://doi.org/10.1002/asi.23429). **Impact Factor: 2.23**

Tsikerdekis, M. and S. Zeadally, “Detecting and Preventing Online Identity Deception in Social Networking Services”, *IEEE Internet Computing*, vol. 19, no. 3, pp. 41–49, 2015, ISSN: 10897801. DOI: [10.1109/MIC.2015.21](https://doi.org/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.)

Truta, T. M., **M. Tsikerdekis**, and S. Zeadally, “Privacy in Social Networks”, in *Privacy in a Digital, Networked World*, Zeadally, S. and M. Badra, Eds., London, U.K.: Springer, 2012, p. 87, ISBN: 9781608458622. DOI: [10.2200/S00408ED1V01Y201203DMK004A](https://doi.org/10.2200/S00408ED1V01Y201203DMK004A).

Tsikerdekis, M. and S. Zeadally, “Online deception in social media”, *Communications of the ACM*, vol. 57, no. 9, pp. 72–80, 2014, ISSN: 00010782. DOI: [10.1145/2629612](https://doi.org/10.1145/2629612). **Impact Factor: 2.863**

Tsikerdekis, M. and S. Zeadally, “Multiple account identity deception detection in social media using nonverbal behavior”, *IEEE Transactions on Information Forensics and Security*, vol. 9, no. 8, pp. 1311–1321, 2014, ISSN: 15566013. DOI: [10.1109/TIFS.2014.2332820](https://doi.org/10.1109/TIFS.2014.2332820). **Impact Factor: 2.065**

Tsikerdekis, M., “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*, vol. 64, no. 5, pp. 1001–1015, 2013, ISSN: 15322882. DOI: [10.1002/asi.22795](https://doi.org/10.1002/asi.22795). arXiv: [0803.1716](https://arxiv.org/abs/0803.1716). **Impact Factor: 2.081**

Tsikerdekis, M., “Dynamic voting interface in social media: Does it affect individual votes?”, in *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, Boas, P. v. E., F. C. A. Groen, G. F. Italiano, J. Nawrocki, and H. Sack, Eds., vol. 7741 LNCS, Springer Berlin Heidelberg, 2013, pp. 552–563, ISBN: 9783642358425. DOI: [10.1007/978-3-642-35843-2_47](https://doi.org/10.1007/978-3-642-35843-2_47). **Rank: B (CORE2014)**

Tsikerdekis, M., “Pro/Con Lists and their Use in Group Decision Support Systems for Reducing Groupthink”, *INFOCOMP Journal of Computer Science*, vol. 11, no. 2, pp. 10–20, 2012.

Tsikerdekis, M., “The choice of complete anonymity versus pseudonymity for aggression online.”, *eMinds International Journal on HumanComputer Interaction*, vol. 2, no. 8, pp. 35–57, 2012, ISSN: 9728939523

Tsikerdekis, M., “Engineering anonymity to reduce aggression online”, in *IADIS International Conference - Interfaces and Human Computer Interaction*, Blashki, K., Ed., IADIS, 2011, pp. 463–467, ISBN: 9789728939526.

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

POSTERS AND OTHER PUBLICATIONS **HUBBARD, G., J. BAKER, and M. Tsikerdekis**, *Public Entity Network Security Monitoring by Student Security Analysts*, New Orleans, LA, 2018. **Runner-Up Best Student Poster.**

WILLIS, D. J. and **M. Tsikerdekis**, *Behavior Based Wireless Surveillance*, University of Memphis, Memphis, TN, 2017

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 Depart-*

ment 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
Co-Director ICT CoLab, 2016 - 2017
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
Chair ICT Faculty Search Committee, 2014 - 2015
Chair Diversity Committee, School of Information Science, 2014 - 2015
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
Editor	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	IEEE 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

Cyber Defense (CSCI 463): Western Washington University. Undergraduate course - Fall 2018.

Advanced Network System Security (CISS 469, CSCI 497L): Western Washington University. Undergraduate course - Spring 2018; Winter 2018.

Computer Networks I (CSCI 367): Western Washington University. Undergraduate course - Fall 2017, 2018.

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 Washing-

ton University (Undergraduate course - Fall 2017, 2018; 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, \LaTeX , 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

November 1, 2018