

# Emőke-Ágnes Horvát

<http://www.agneshorvat.info>

[a-horvat@northwestern.edu](mailto:a-horvat@northwestern.edu)

## Academic experience

### NORTHWESTERN UNIVERSITY

- 2016-present *Assistant professor*, Department of Communication Studies, School of Communication  
*Faculty affiliate*, Northwestern Institute on Complex Systems (NICO)  
*Assistant professor* (by courtesy), Management & Organizations Department, Kellogg School of Management  
*Core faculty*, Technology and Social Behavior (TSB) & Media, Technology, and Society (MTS)
- 2019-present *Faculty affiliate*, Northwestern University Transportation Center (NUTC)
- 2014-2016 *Postdoctoral research fellow*, Northwestern Institute on Complex Systems (NICO)

### HEIDELBERG UNIVERSITY, Germany

- 2014 *Guest lecturer*, Institute of Geography
- 2010-2013 *Research assistant*, Interdisciplinary Center for Scientific Computing (IWR)
- 2010-2011 *Teaching assistant*, Department of Mathematics and Computer Science

### TECHNICAL UNIVERSITY KAISERSLAUTERN, Germany

- 2012 *Research associate*, Department of Theoretical Computer Science

### PÁZMÁNY PÉTER CATHOLIC UNIVERSITY, Budapest, Hungary

- 2009 *Research assistant*, Faculty of Information Technology and Bionics

### EÖTVÖS LORÁND UNIVERSITY, Budapest, Hungary

- 2007 *Undergraduate research assistant*, Institute of Theoretical Physics, Faculty of Science

## Education

### HEIDELBERG UNIVERSITY, Germany

- 2013 **Ph.D. in Interdisciplinary physics**  
Dissertation: *Modelling and inferring connections in complex networks*  
Advisors: Katharina Anna Zweig & Fred A. Hamprecht

### BABEȘ-BOLYAI UNIVERSITY, Cluj-Napoca, Romania

- 2010 **Master of Science in Computational physics**  
Thesis: *Self-assembled micropatterns in carbon nanobristles*
- 2008 **Bachelor of Science in Physics & computer science**  
Thesis: *Applications of spring-block type models in material sciences*  
Advisors: Járjai-Szabó Ferenc & Zoltán Nédá

### SAPIENTIA UNIVERSITY, Cluj-Napoca, Romania

- 2008 **Bachelor of Arts in Photography, film, and media**  
Thesis: *How do you remember thirst? The Deleuzian time-image in the films of Chris Marker*  
Feature film script: *The big white*  
Advisors: Pethő Ágnes & Buglyá Sándor

## Grants, awards & fellowships

- 2018-present **National Science Foundation CRII Award (IIS-1755873)**  
Proposal title: *Early detection of collective misconceptions with network-aware machine learning tools*  
Role: PI Amount: \$174,788
- 2019-2020 **Faculty Fellow**, Searle Center for Advancing Teaching & Learning, Northwestern University
- 2018-2019 **Northwestern Institute on Complex Systems Research Grant**  
Proposal title: *The network structure of groupthink*  
Role: co-PI with Ned Smith and Joshua Becker Amount: \$21,872
- 2018 **Kellogg Dispute Resolution Research Center Research Grant**  
Proposal title: *A network solution to conflict management*  
Role: co-PI with Ned Smith and Joshua Becker Amount: \$2,500
- 2017 **Data Science Initiative Research Grant**, Northwestern University  
Proposal title: *Is ours better than mine? Investigating collaborative consumption systems*  
Role: Co-PI with Amanda Stathopoulos and Ying Chen Amount: \$30,000
- 2014 **Best Talk Award**, Annual Symposium, Northwestern University Postdoctoral Forum  
Talk title: *Blockbusters or art cinema: Which productions write film history?*
- 2012 **Karl Steinbuch Scholarship**, Media and Film Society, Baden-Württemberg, Germany  
Proposal title: *AFFINE: A network analytic approach to identifying characteristics of cinematic milestones*  
Role: PI Amount: €10,000
- 2010-2013 **Ph.D. Fellowship**, Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, Heidelberg University  
Full funding for 3 years
- 2010 **Student Paper Award**, 12th IEEE International Workshop on Cellular Nanoscale Networks and their Applications (CNNA), Berkeley  
Paper title: *Periodicity enhancement of two-mode stochastic oscillators in a CNN type architecture*
- 2004-2009 **Academic Excellence Fellowship**, Babeş-Bolyai University, Romania
- 2004-2007 **Academic Excellence Fellowship**, Sapientia University, Romania
- 2006-2009 **Student Competition Prizes**, Hungarian and Transylvanian Students' Scientific Conference [OTDK & ETDK]:
  - **First Prize in Art Theory** 2007, 2008
  - **First Prize in Physics** 2007, 2008
  - **Second Prize in Cinema Studies** 2006, 2009
  - **Special Prize in Nanostructures** 2009
  - **Pro Scientia Prize** 2007
- 2003 **First Prize in Physics**, International Conference of Young Scientists, Prague, Czech Republic

## Publications

◇ postdoctoral researcher, † graduate student, and ‡ undergraduate student co-author at the time of writing

### PUBLICATIONS IN PEER-REVIEWED ARCHIVAL CONFERENCE PROCEEDINGS

Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Diffusion of scientific articles across online platforms. In *Proceedings of the 14th International Conference on Web and Social Media (ICWSM'20)*, Atlanta, GA (forthcoming)

Yixue Wang† and **Emőke-Ágnes Horvát**. Gender differences in the global music industry: Evidence from MusicBrainz and The Echo Nest. In *Proceedings of the 13th International Conference on Web and Social Media (ICWSM'19)*, pages 517–526, Munich, Germany, 2019

Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Harnessing collective intelligence in P2P lending. In *Proceedings of the 11th ACM Conference on Web Science (WebSci'19)*, pages 57–64, Boston, MA, 2019

Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Investor retention in equity crowdfunding. In *Proceedings of the 11th ACM Conference on Web Science (WebSci'19)*, pages 343–351, Boston, MA, 2019

Dana Choi‡ and **Emőke-Ágnes Horvát**. Airbnb's reputation system and gender differences among guests: Evidence from large-scale data analysis and a controlled experiment. In *Proceedings of the 11th International Conference on Social Informatics (SocInfo'19)*, Doha, Qatar, 2019

Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Network perspective on the efficiency of peace accords implementation. In *Proceedings of the 2019 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'19)*, Vancouver, BC, Canada, 2019

**Emőke-Ágnes Horvát**, Johannes Wachs†, Rong Wang◇ and Anikó Hannák◇. The role of novelty in securing investors for equity crowdfunding campaigns. In *Proceedings of the 6th AAAI Conference on Human Computation and Crowdsourcing (HCOMP'18)*, pages 50–59, Zürich, Switzerland, 2018

Kyosuke Tanaka† and **Emőke-Ágnes Horvát**. Networking strategies and efficiency in human communication networks. In *Proceedings of the 7th International Conference on Complex Networks and Their Applications (COMPLEX NETWORKS'18)*, pages 258–270, Cambridge, UK, 2018

**Emőke-Ágnes Horvát** and Theodore Papamarkou◇. Gender differences in equity crowdfunding. In *Proceedings of the 5th AAAI Conference on Human Computation and Crowdsourcing (HCOMP'17)*, pages 51–60, Quebec City, QC, Canada, 2017

Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Network signatures of success: Emulating expert and crowd assessment in science, art, and technology. In *Proceedings of the 6th International Conference on Complex Networks and Their Applications (COMPLEX NETWORKS'17)*, pages 437–449, Lyon, France, 2017

**Emőke-Ágnes Horvát**◇, Jayaram Uparna† and Brian Uzzi. Network vs market relations: The effect of friends in crowdfunding. In *Proceedings of the 2015 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'15)*, pages 226–233, Paris, France, 2015

**Emőke-Ágnes Horvát**<sup>†</sup>, Michael Hanselmann<sup>†</sup>, Fred A. Hamprecht and Katharina Anna Zweig. You are who knows you: Predicting links between non-members of Facebook. In *Proceedings of the European Conference on Complex Systems 2012*, pages 309–316, Bruxelles, Belgium, 2013

**Emőke-Ágnes Horvát**<sup>†</sup> and Katharina Anna Zweig. One-mode projections of multiplex bipartite graphs. In *Proceedings of the 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'12)*, pages 598–605, Istanbul, Turkey, 2012

Giovanni E. Paziienza, Kristóf Karacs, **Emőke-Ágnes Horvát**<sup>‡</sup> and Gabriell Máté<sup>‡</sup>. Designing efficient CNN algorithms by combining manual and automatic techniques. In *Proceedings of the 12th IEEE International Workshop on Cellular Nanoscale Networks and Applications*, Berkeley, CA, 2010

Gabriell Máté<sup>‡</sup>, **Emőke-Ágnes Horvát**<sup>‡</sup>, Tamás Roska, Erna Káptalan and Zoltán Nédá. Periodicity enhancement of two-mode stochastic oscillators in a CNN type architecture. In *Proceedings of the 12th IEEE International Workshop on Cellular Nanoscale Networks and Applications*, Berkeley, CA, 2010

#### JOURNAL ARTICLES

Kyosuke Tanaka<sup>†</sup> and **Emőke-Ágnes Horvát**. (Un)intended consequences of networking in individual and network-level efficiency. *Applied Network Science* (forthcoming)

Pramesh Singh<sup>◊</sup>, Jayaram Uparna<sup>†</sup>, Panagiotis Karampouriotis<sup>†</sup>, **Emőke-Ágnes Horvát**, Boleslaw Szymanski, György Korniss, Jonathan Z. Bakdash and Brian Uzzi. Peer-to-peer lending and bias in crowd decision-making. *PLOS ONE*, 13(3):e0193007, 2018

Andreas Spitz<sup>‡</sup>, Anna Gimmler<sup>†</sup>, Thorsten Stoeck, Katharina Anna Zweig and **Emőke-Ágnes Horvát**<sup>◊</sup>. Assessing low-intensity relationships in complex networks. *PLOS ONE*, 11(4):e0152536, 2016

Wolfgang Eugen Schlauch<sup>†</sup>, **Emőke-Ágnes Horvát**<sup>◊</sup> and Katharina Anna Zweig. Different flavors of randomness: Comparing random graph models with fixed degree sequences. *Social Network Analysis and Mining*, 5:36, 2015

Andreas Spitz<sup>‡</sup> and **Emőke-Ágnes Horvát**<sup>†</sup>. Measuring long-term impact based on network centrality: Unraveling cinematic citations. *PLOS ONE*, 9(10):e108857, 2014

Andreas Spitz<sup>‡</sup> and **Emőke-Ágnes Horvát**<sup>†</sup>. A cookbook of cinematic delicacies that do not expire. *Leonardo*, 47(3):271, 2014

**Emőke-Ágnes Horvát**<sup>†</sup> and Katharina Anna Zweig. A fixed degree sequence model for the one-mode projection of multiplex bipartite graphs. *Social Network Analysis and Mining*, 3(4):1209–1224, 2013

**Emőke-Ágnes Horvát**<sup>†</sup>, Jitao David Zhang<sup>†</sup>, Stefan Uhlmann<sup>†</sup>, Özgür Sahin and Katharina Anna Zweig. A network-based method to assess the statistical significance of mild co-regulation effects. *PLOS ONE*, 8(9):e73413, 2013

Andreas Spitz<sup>‡</sup>, Katharina Anna Zweig and **Emőke-Ágnes Horvát**<sup>†</sup>. SICOP: identifying significant co-interaction patterns, *Bioinformatics*, 29(19):2503–2504, 2013

**Emőke-Ágnes Horvát**†, Michael Hanselmann†, Fred A. Hamprecht and Katharina Anna Zweig. One plus one makes three (for social networks). *PLOS ONE*, 7(4):e34740, 2012

Stefan Uhlmann†, Heiko Mannsperger†, Jitao David Zhang†, **Emőke-Ágnes Horvát**†, Christian Schmidt, Moritz Küblbeck, Frauke Henjes, Aiofe Ward, Uli Tschulena, Katharina Anna Zweig, Ulrike Korf, Stefan Wiemann and Özgür Sahin. Global microRNA level regulation of EGFR-driven cell-cycle protein network in breast cancer. *Molecular Systems Biology*, 8:570, 2012

**Emőke-Ágnes Horvát**‡, Ferenc Járαι-Szabó†, Yves Brechet and Zoltán Nédá. Spring-block approach for crack patterns in glass. *Central European Journal of Physics*, 10(4):926–935, 2012

Ferenc Járαι-Szabó†, **Emőke-Ágnes Horvát**‡, Róbert Vajtai and Zoltán Nédá. Spring-block approach for nanobristle patterns. *Chemical Physics Letters*, 511(4–6):378–383, 2011

#### BOOK CHAPTER

**Emőke-Ágnes Horvát**† and Katharina Anna Zweig. Multiplex networks. In *Encyclopedia of Social Network Analysis and Mining*. Eds. Reda Alhajj and Jon Rokne, pages 1019–1023, Springer New York, 2014

#### PEER REVIEWED NON-ARCHIVAL PUBLICATIONS & EXTENDED ABSTRACTS (SELECTED)

**Emőke-Ágnes Horvát** and Eszter Hargittai. Birds of a feather flock together online: Social media associations by user base. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019

Igor Zakhlebin† and **Emőke-Ágnes Horvát**. Dynamics and structure of research coverage across online media. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019

Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Harnessing collective intelligence to improve decision-making: Predicting long-term success in P2P lending. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019

Kyosuke Tanaka† and **Emőke-Ágnes Horvát**. Networking strategies at the trade-off between individual and system-level efficiency. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019

Henry K. Dambanemuya† and **Emőke-Ágnes Horvát**. Network-aware multi-agent simulations of herder-farmer conflicts. IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM), Vancouver, BC, Canada, 2019

**Emőke-Ágnes Horvát**, Daniel M. Romero and Brian Uzzi. Harnessing collective wisdom from communication patterns in human organizations. Annual Meeting of the International Communication Association (ICA), Prague, Czech Republic, 2018

**Emőke-Ágnes Horvát**, Johannes Wachs†, Rong Wang◊ and Anikó Hannák◊. Is novelty an advantage or a drawback in equity crowdfunding? ACM Collective Intelligence Conference, Zürich, Switzerland, 2018

Michael Mauskopf, Noah Askin, **Emőke-Ágnes Horvát** and Brian Uzzi. Is there a gender gap in the novelty of creative products? Evidence from the global music industry. International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>), Evanston, IL, 2018

Igor Zakhlebin† and **Emőke-Ágnes Horvát**. When everyone agrees. Similarity of centrality indices in citation networks. International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>), Evanston, IL, 2018

**Emőke-Ágnes Horvát**. Women on the online capital market: Whats in a money network? European Symposium Series on Societal Challenges in Computational Social Science: Inequality and Imbalance, London, UK, 2017

**Emőke-Ágnes Horvát**, Jayaram Uparna† and Brian Uzzi. Hidden indicators of collective intelligence in crowdfunding. 9th International Conference on Social Informatics (SocInfo), Oxford, UK, 2017

**Emőke-Ágnes Horvát**◊, Michael Mauskopf†, Noah Askin and Brian Uzzi. Understanding the link between quality, social influence, and success in popular music. IPAM Culture Analytics Seminar Series, Culture Analytics Beyond Text Workshop. Los Angeles, CA, 2016

**Emőke-Ágnes Horvát**◊ and Kathrin Flasskamp◊. A multi-objective approach to measuring centrality. SIAM Network Science Workshop, Boston, MA, 2016

Theodore Papamarkou◊ and **Emőke-Ágnes Horvát**◊. Statistic-preserving random multiplex generation. SIAM Network Science Workshop, Boston, MA, 2016

Pramesh Singh◊, Panagiotis Karampourniotis†, **Emőke-Ágnes Horvát**◊, Boleslaw Szymanski, György Korniss and Brian Uzzi. Exact and approximated null models for weighted digraphs. SIAM Network Science Workshop, Boston, MA, 2016

**Emőke-Ágnes Horvát**◊, Jayaram Uparna† and Brian Uzzi. Unraveling crowd IQ signals in crowdfunding. Collective Intelligence Conference, New York, NY, 2016

Daniel M. Romero◊, **Emőke-Ágnes Horvát**◊ and Brian Uzzi. Leveraging collective intelligence in organizations. Collective Intelligence Conference, Santa Clara, CA, 2015

Katharina Anna Zweig and **Emőke-Ágnes Horvát**†. How to evaluate co-occurrences of products in market-baskets from real-world applications. Mini-conference on Applied Theoretical Computer Science, Koper, Slovenia, 2010

## Invited presentations & panels (selected)

*Invited panelist.* Complex Systems Perspectives on Algorithmic Bias Workshop. 13th International Conference on Web and Social Media (ICWSM), Munich, Germany, 2019

*Invited panelist.* Igniting a TON (technology, organizing, and networks) of insights: Recognizing the contributions of Janet Fulk and Peter Monge in shaping the future of communication research. Annual Meeting of the International Communication Association (ICA), Washington, DC, 2019

*Invited participant.* All boats rise? Social capital, promise and peril, Amazon HQ, Seattle, WA, 2018

*Invited panelist.* Hey Siri, are you my friend? Exploring humanity's relationship with artificial intelligence. Veritas Forum, Northwestern University, Evanston, IL, 2018

*Invited colloquium talk.* Early signals for the wisdom of crowds in crowdfunding. Northwestern Institute on Complex Systems Seminar, Evanston, IL, 2018

*Invited discussant.* Crowdfunding scientific research. NBER Workshop on Advancing the Science of Science Funding, Boston, MA, 2018

*Invited participant.* Social Science Foo Camp, Facebook HQ, Menlo Park, CA, 2018

*Invited lecture.* Novelty and success in equity crowdfunding. Chicago Summer Institute in Computational Social Science (SICSS), Evanston, IL, 2018

*Invited talk.* Women making music. Arts, Culture, Technology (ACT) and Network Science satellite at the International School and Conference on Network Science (NetSci), Paris, France, 2018

*Invited talk.* The role of novelty in securing investors for equity crowdfunding campaigns. Computational Social Science Research Networking Luncheon, Northwestern University, Evanston, IL, 2018

*Invited colloquium talk.* On the link between ranking in citation networks and popularity. University of Huston, Huston, TX, 2018

*Invited colloquium talk.* Early signals of crowd wisdom on online capital markets. Indiana University Network Science Institute, Bloomington, IN, 2018

*Invited colloquium talk.* Collective intelligence in crowdfunding. Weinberg College of Arts and Sciences, Department of Psychology, Evanston, IL, 2017

*Invited keynote.* Hidden indicators of collective intelligence in crowdfunding. International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>), Cologne, Germany, 2017

*Invited talk.* Gender differences in equity crowdfunding. Gendered Creative Teams Workshop, Budapest, Hungary, 2017

*Invited talk.* Hidden structures in cultural citation networks. 8th Workshop on Complex Networks (CompleNet), Dubrovnik, Croatia, 2017

*Invited talk.* Hidden indicators of collective intelligence in crowdfunding. WebScience@10, Evanston, IL, 2016

*Invited colloquium talk.* Product-to-product networks in cultural industries: Measuring long-term influence in film. MORS Department Talk Series, Kellogg School of Management, Evanston, IL, 2016

*Invited colloquium talk.* The network of cultural products: Measuring long-term influence in the film industry. Northwestern Institute on Complex Systems Seminar, Evanston, IL, 2016

*Talk selected into the Young Researcher Session.* Blockbusters or art cinema: Which productions write film history? Identifying central films in a multiplex film citation network. International School and Conference on Network Science (NetSci), Copenhagen, Denmark, 2013

*Invited colloquium talk.* Predicting links between non-members of Facebook. Interdisciplinary Center for Network Science and Applications (iCeNSA), Notre Dame University, South Bend, IN, 2012

## Teaching

### GRADUATE ADVISOR (DISSERTATION CHAIR)

Igor Zakhlebin, Technology and Social Behavior, Department of Communication Studies & Computer Science (2017-present)

Henry K. Dambanemuya, Technology and Social Behavior, Department of Communication Studies & Computer Science (2018-present)

### GRADUATE DISSERTATION COMMITTEE

Aymeric Punel, Department of Civil and Environmental Engineering (now senior data scientist at Boston Consulting Group)

Kyosuke Tanaka, Media, Technology and Society, Department of Communication Studies

Elisa Borowski, Department of Civil and Environmental Engineering

### VISITING STUDENTS

Orsolya Vásárhelyi, Department of Network and Data Science, Central European University (CEU), Budapest, Hungary (2019)

### UNDERGRADUATE AND MASTER'S RESEARCH SUPERVISOR

Gaoyuan Huang, MS in Leadership for Creative Enterprises (2016)

Sam Mandlsohn, Communication Studies (2017)

Patricia Song, Computer Science (2018)

Dana Choi, Mathematical Methods in the Social Sciences, Weinberg College of Arts and Sciences (recipient of a Summer Undergraduate Research Grant & Fletcher Prize finalist, 2018)

Collin Ritter, MS in Leadership for Creative Enterprises (2018)

Joshua Jacobs, RTVF and Economics (2019)

Patryk Kot, RTVF and Economics (2019)

Melanie De Vincentiis, Communication Studies (2019)

### COURSES TAUGHT

Cultural and art analytics (graduate, 2016-present)

Northwestern University, MS in Leadership for Creative Enterprises 515



Complex network analysis (graduate, 2017-present)  
Northwestern University, Media, Technology & Society 525

Cultural analytics (undergraduate, 2017-present)  
Northwestern University, Communication Studies 371

Social network analysis with R (graduate, 2014)  
Heidelberg University, Germany, Institute of Geography

#### TEACHING ASSISTANTSHIPS

Network analysis (undergraduate, 2010–2011)  
Heidelberg University, Department of Mathematics and Computer Science

Algorithms and data structures (undergraduate, 2010–2011)  
Heidelberg University, Department of Mathematics and Computer Science

## Service

#### ACADEMIC SERVICE (SELECTED)

*Editorial board member.* PLOS ONE & Computational Communication Research, 2018–present

*Panelist.* National Science Foundation, Cyber-Human Systems Program, Information and Intelligent Systems Division, 2018–2019

*Workshop organizer.* Crowdsourcing and Collective Intelligence. 9th International Conference on Complex Systems (ICCS), Boston, MA, 2018

#### *Reviewer for journals:*

Nature Communications • Journal of Complex Networks • Journal of Computer Mediated Communication • Social Network Analysis and Mining • American Sociological Review • Big Data & Society • IEEE Computer • Entropy • Computers • Scientometrics • Bioinformatics

#### *Reviewer for conferences:*

Annual Conference of the International Communication Association (ICA) • ACM Collective Intelligence Conference • International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>) • International Conference on Complex Networks (CompleNet) • International Conference on Social Informatics (SocInfo) • International Conference on Complex Networks and Their Applications (Complex Networks)

#### *Conference program committee member:*

International Conference on Complex Networks (CompleNet) 2018 • International Conference on Social Informatics (SocInfo) 2017, 2018 • International Conference on Computational Social Science (IC<sup>2</sup>S<sup>2</sup>) 2018 • International Conference on Complex Networks and Their Applications (Complex Networks) • Data Mining for the Analysis of Performance and Success (DAPS ICDM) 2017, 2018 • Digital Transformation & Global Society (DTGS) 2018

*Reviewer for edited volume.* Encyclopedia of Social Network Analysis and Mining, Springer New York, 2014

#### UNIVERSITY SERVICE

##### **Northwestern University**

*Speaker series coordinator.* Media, Technology & Society, 2019/2020

*Graduate admissions committee.* Technology & Social Behavior, 2017–2019

*Presenter and participant.* Computational Social Science Research Networking Luncheons, 2017/2018

*Reviewer.* Data Science Initiative Research Grants, 2016–2018

*Selection committee.* Data Science Graduate Fellowship, 2018–2019

*Faculty search committee member.* Computational Social Science position. Management & Organizations Department, Kellogg School of Management, Northwestern University, 2016/2017

##### **Heidelberg University**

*Host.* 25th Anniversary of the Interdisciplinary Center for Scientific Computing (IWR), 2013

*Moderator and co-organizer.* Fireside Chats of the Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, 2011/2012

*Co-organizer.* Annual Colloquium of the Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences, 2010

#### PROFESSIONAL AFFILIATIONS

International Communication Association

Network Science Society

## Language skills

- *Hungarian:* Native
- *English:* Fluent
- *German:* Fluent
- *Romanian:* Fluent
- *French:* Conversant
- *Spanish:* Basic