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# Benjamin D. Horne

School of Information Sciences - The University of Tennessee Knoxville

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## ACADEMIC APPOINTMENTS

**Asst. Professor of Information Sciences**, The University of Tennessee Knoxville, 2020 -

## EDUCATION

**Ph.D. in Computer Science**, Rensselaer Polytechnic Institute, 2014 - 2020

DISSERTATION: Robust News Veracity Detection

COMMITTEE: Sibel Adali (CS, RPI; Chair), Lirong Xia (CS, RPI), Stacy Patterson (CS, RPI), Dorit Nevo (Business, RPI), and Tamar Gordon (Communications, RPI)

**B.S. in Computer Science**, Union University, 2010 - 2014

**B.S. in Business Administration**, Union University, 2010 - 2014

## PUBLICATIONS

### Book Chapters:

**1. Fake News Starts with the Title**

Chapter 9. "Language That Manipulates: Politics, Advertising, and Doublespeak" in Language Awareness: Readings for College Writers. 13th Edition by P. Eschholz, A. Rosa, and V. Clark. Macmillan Learning. 2020  
Benjamin D. Horne

### Journals:

**1. Effects of Priming Messages to Decrease Negativity in Online Learning Environments**

APA Scholarship of Teaching and Learning in Psychology 2020  
Hung-Tao Chen, Benjamin D. Horne, Dan Florrel, Megan Thomas

**2. Robust Fake News Detection Over Time and Attack**

ACM Transactions on Intelligent Systems and Technology (TIST) 2019  
Benjamin D. Horne, Jeppe Norregaard, and Sibel Adali

**3. Uncertainty-based False Information Propagation in Social Networks**

ACM Transactions of Social Computing (TSC) 2019  
Jin-Hee Cho, Scott Rager, John O'Donovan, Sibel Adali, and Benjamin D. Horne

**4. Recognizing Experts on Social Media: A Heuristics Based Approach**

ACM SIGMIS: The DATABASE for Advances in Information Systems (DATABASE) 2018  
Benjamin D. Horne, Dorit Nevo, and Sibel Adali

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## **Conferences:**

- 1. Trustworthy Misinformation Mitigation with Soft Information Nudging**  
The First IEEE Conference on Trust, Privacy and Security in Intelligent Systems (TPS) 2019  
[Benjamin D. Horne](#), Mauricio Gruppi, and Sibel Adali
- 2. Different Spirals of Sameness: A Study of Content Sharing in Mainstream and Alternative Media**  
The 13th International Conference on Web and Social Media (ICWSM) 2019  
[Benjamin D. Horne](#), Jeppe Norregaard, and Sibel Adali
- 3. Rating Reliability and Bias in News Articles: Does AI Assistance Help Everyone?**  
The 13th International Conference on Web and Social Media (ICWSM) 2019  
[Benjamin D. Horne](#), Dorit Nevo, John O'Donovan, Jin-Hee Cho, and Sibel Adali
- 4. NELA-GT-2018: A Large Multi-Labelled News Dataset for the Study of Misinformation in News Articles**  
The 13th International Conference on Web and Social Media (ICWSM) 2019  
Jeppe Norregaard, [Benjamin D. Horne](#), and Sibel Adali
- 5. Models for Predicting Community-Specific Interest in News Articles**  
The 37th Military Communications Conference (MILCOM) 2018  
[Benjamin D. Horne](#), William Dron, and Sibel Adali
- 6. The Multi-Domain Integration and Correlation Engine**  
The 37th Military Communications Conference (MILCOM) 2018  
W. Dron, A. Sydney, J. Hancock, L. Scott, T. Abdelzaher, J. Han, S. Adali, [B.D. Horne](#)
- 7. Sampling the News Producers: A Large News and Feature Data Set for the Study of the Complex Media Landscape**  
The 12th International Conference on Web and Social Media (ICWSM) 2018  
[Benjamin D. Horne](#), Sara Khedr, and Sibel Adali
- 8. Assessing the News Landscape: A Multi-Module Toolkit for Evaluating the Credibility of News**  
The 27th International Web Conference (WWW) 2018  
[Benjamin D. Horne](#), Will Dron, Sara Khedr, and Sibel Adali
- 9. Identifying the Social Signals that Drive Online Discussions: A Case Study of Reddit Communities**  
International Conference on Computer Communications and Networks (ICCCN) 2017  
[Benjamin D. Horne](#), Sibel Adali, and Sujoy Sikdar
- 10. From Sports to Science: Using Basketball Analytics to Broaden the Appeal of Math and Science Among Youth**  
MIT Sloan Sports Analytics Conference (MIT SSAC) 2017 - **Best Research Paper Award**  
John F. Drazan, Amy K. Loya, [Benjamin D. Horne](#), and Ron Eglash  
Media Coverage: NBA Enrichment Program, Denver Stiffs Podcast, RPI News, Fansided, SB Nation, Vice Sports, Harvard Sports Analytics Blog
- 11. Impact of message sorting on access to novel information in networks**  
Conference on Advances in Social Networks Analysis and Mining (ASONAM) 2016  
[Benjamin D. Horne](#), Sibel Adali, and Kevin Chan
- 12. Expertise in social networks: how do experts differ from other users?**  
The International Conference on Web and Social Media (ICWSM) 2016  
[Benjamin D. Horne](#), Dorit Nevo, Jesse Freitas, Heng Ji, and Sibel Adali

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## **Peer-Reviewed Workshops and Extended Abstracts:**

- 1. Hateful YouTube: Characterizing the Social Video-hosting Platform BitChute**  
6th International Conference on Computational Social Science (IC2S2)  
Milo Trujillo, Mauricio Gruppi, Cody Buntain, and [Benjamin D. Horne](#)
- 2. An Exploration of Verbatim Content Republishing by News Producers**  
The International Workshop on News and Public Opinion (NECO) at ICWSM 2018  
[Benjamin D. Horne](#) and Sibel Adali
- 3. An Exploration of Misinformation Classification in Brazil and The U.S.**  
The International Workshop on News and Public Opinion (NECO) at ICWSM 2018  
Mauricio Gruppi, [Benjamin D. Horne](#), and Sibel Adali
- 4. Effects of Priming on Online Discussion Behavior**  
The Human Factors and Ergonomics Society (HFES) International Annual Meeting 2018  
Hung-Tao Chen and [Benjamin D. Horne](#)
- 5. This Just In: Fake News Packs a Lot in Title, Uses Similar, Repetitive Content in Text Body, More Similar to Satire than Real News**  
The International Workshop on News and Public Opinion (NECO) at ICWSM 2017  
[Benjamin D. Horne](#) and Sibel Adali  
Media Coverage: Science News
- 6. The Impact of Crowds on News Engagement: A Reddit Case Study**  
The International Workshop on News and Public Opinion (NECO) at ICWSM 2017  
[Benjamin D. Horne](#) and Sibel Adali
- 7. Exploring the Creative Destruction of 3D Printing Through an Analysis of Intellectual Property Issues**  
Emerging Researcher National (ERN) Conference 2013  
Stephanie M. Santoso, [Benjamin D. Horne](#), and Stephen B. Wicker

## **Published Datasets:**

- 1. NELA-GT-2019: A Large Multi-Labelled News Dataset for the Study of Misinformation in News Articles**  
Self-published 2020  
Mauricio Gruppi, [Benjamin D. Horne](#), and Sibel Adali
- 2. NELA-GT-2018: A Large Multi-Labelled News Dataset for the Study of Misinformation in News Articles**  
The 13th International Conference on Web and Social Media (ICWSM) 2019  
Jeppe Norregaard, [Benjamin D. Horne](#), and Sibel Adali
- 3. Sampling the News Producers: A Large News and Feature Data Set for the Study of the Complex Media Landscape**  
The 12th International Conference on Web and Social Media (ICWSM) 2018  
[Benjamin D. Horne](#), Sara Khedr, and Sibel Adali

## **AWARDS**

**Robert McNaughton Prize** for outstanding graduate student in Computer Science 2020

MIT Sloan Sports Analytics Conference **Best Research Paper Award** (\$10,000) 2017

RPI **Outstanding Research Poster Award** 2017

Union University **Academic Excellence Medal** in Computer Science 2014

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Union University **Dr. Joe Tucker Scholarship** 2013

## **SERVICE**

### **PC Member:**

ASONAM (2019)

WebSci (2020)

ICWSM (2019, 2020, 2021)

NECO Workshop at ICWSM (2017, 2018, 2020)

MIS2 Workshop at WSDM (2018)

### **Invited External Reviewer:**

ACM Transactions on Internet Technology (TOIT) (2017)

AMCIS (2017, 2018, 2019, 2020)

International Journal of Communications (IJoC) (2019, 2020)

### **Society Memberships:**

Association for the Advancement of Artificial Intelligence (AAAI)

Association for Information Systems (AIS)

## **OTHER RESEARCH, TEACHING, AND INDUSTRY EXPERIENCE**

**Rensselaer Polytechnic Institute, Computer Science** Research Assistant, Fall 2014 - Spring 2020

**Army Research Labs**, Visiting Researcher, Summer 2017

**National Science Foundation GK-12**, Fellow, Summer 2015 - Fall 2016

**Rensselaer Polytechnic Institute, Computer Science** Teaching Assistant, Spring 2015

**Cornell University, Information Science** Undergraduate Researcher, Summer 2013

**Texas Tech University, Computer Science** Undergraduate Researcher, Summer 2012

**Steele Martin Jones and Company**, I.T. Administrator, Spring 2011 - Spring 2014

**Home Medical Products Inc.**, I.T. Technician, Spring 2011 - Summer 2011