
Benjamin D. Horne

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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:

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:

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

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

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

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

Conferences:

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

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

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

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

Models for Predicting Community-Specific Interest in News Articles

The 37th Military Communications Conference (MILCOM) 2018

[Benjamin D. Horne](#), William Dron, and Sibel Adali

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](#)

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

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

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

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

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

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

Peer-Reviewed Workshops and Extended Abstracts:

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](#)

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

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

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](#)

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

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

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:

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

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

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

SERVICE

PC Member:

ASONAM (2019)

WebSci (2020)

ICWSM (2019, 2020)

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)

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