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# Benjamin D. Horne

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Website: <http://homepages.rpi.edu/~horneb/>

## RESEARCH INTERESTS

News Credibility and Trust, Computational Social Science, Machine Learning, NLP, Data Science

## EDUCATION

**Ph.D. in Computer Science**, Rensselaer Polytechnic Institute

2014 - PRESENT (May 2020 Expected)

**B.S. in Computer Science**, Union University

2010 - 2014 **AWARDS**: Academic Excellence Medal, Dr. Joe Tucker Scholarship

**B.S.B.A in Business Management**, Union University

2010 - 2014

## PUBLICATIONS

### Journals and Peer Reviewed Conferences:

**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**

The DATA BASE for Advances in Information Systems (**DATA BASE**) 2018

**Benjamin D. Horne**, Dorit Nevo, 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. Hunter, A. Sydney, J. Hancock, L. Scott, T. Abdelzaher, J. Han, S. Adali, **B.D. Horne**

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## **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**

The 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**

International 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:**

### **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

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## **Effects of Priming on Online Discussion Behavior** (Extended Abstract)

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

## **EMPLOYMENT**

### **Rensselaer Polytechnic Institute**, Research Assistant to Sibel Adali

FALL 2014, SPRING 2016 - SPRING 2019

**FUNDING:** ARL NS-CTA W911NF-09-2-0053

### **Army Research Labs**, Visiting Researcher

SUMMER 2017

**FUNDING:** ARL NS-CTA W911NF-09-2-0053

### **NSF GK-12**, Research and Teaching Fellow

FALL 2015 - FALL 2016

**FUNDING:** NSF GK-12 DGE-0947980

### **Rensselaer Polytechnic Institute**, Teaching Assistant - Introduction to Algorithms

SPRING 2015

### **Cornell University**, Undergraduate Researcher

SUMMER 2013

**FUNDING:** NSF No. CCF-0424422

### **Texas Tech University**, Undergraduate Researcher

SUMMER 2012

**FUNDING:** NSF No. CNS-1005212

### **Steele Martin Jones and Company**, Information Technology Administrator

SPRING 2011 - SPRING 2014

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## **SERVICE**

### **PC Membership:**

NECO Workshop (2017, 2018)

MIS2 Workshop (2018)

### **Invited External Reviewer:**

ACM TOIT Journal (2017)

AMCIS Conference (2017, 2018)