

DRAFT DATE: 2019-03-29



Watson-in-the-Watt AI Symposium

Monday, April 22, 2019

Schedule

8:30 – 9:00 AM	Atrium	Coffee
9:00 – 9:15 AM	Auditorium	Welcome and Introductions Todd Marek, KC Wang, Hudson Smith, <i>WFIC</i>
9:15 – 9:40 AM	Auditorium	AI for Education and the Digital Divide Matthew Boyer and Ryan Visser, <i>Education</i>
9:40 – 10:05 AM	Auditorium	AI: A Non-Traditional Solution to Brand Color Management Erica Walker, <i>Graphic Communications</i>
10:05 – 10:30 AM	Auditorium	Understanding Political Discourse on Social Media with AI Jeffrey Fine, <i>Political Science</i>
10:30 – 10:45 AM	Atrium	Coffee
10:45 – 11:10 AM	Auditorium	Automated FAST Ultrasound Assessment John Cull, M.D., <i>Greenville Health System</i>
11:10 – 11:35 AM	Auditorium	Combing through Millions of Reddit Comments to Understand Trends in Virtual Reality Andrew Robb, <i>Human-centered Computing</i>
11:35 – Noon	Auditorium	Context Aware Navigational Assistant Jerome McClendon, <i>CU-ICAR</i>
Noon – 1:00 PM	Atrium	Lunch
1:00 – 3:00 PM	Atrium	Research Posters and Demonstrations
3:00 – 5:00 PM	Room ###	Getting Started with Watson Services Anand Singh, <i>IBM, NC State</i>

Poster Presentations

The afternoon poster session will include the following presentations from the Watson-in-the-Watt Creative Inquiry students:

- **Analysis of Agricultural Drone Images with Watson Visual Recognition**
Student researchers: Dan Freeman and Shaurya Gupta
Research partner: Dr. Joe Maja, Agricultural Sciences
- **Automatic FAST Ultrasound Image Quality Assessment**
Student researchers: Shaurya Gupta, Ashley Girvin, John Paul Lineberger, and Kathleen Carroll
Research partner: Dr. John Cull, GHS
- **Context-Aware Navigational Assistant**
Student researchers: Lucas Torlay, Quinn Hubbarth, Stephen Russell, and Shaurya Gupta
Research partner: Dr. Jerome McClendon, CUICAR
- **Leveraging AI for Qualitative Analysis Research at Scale**
Student researchers: Tianyi Zhang, Monica Moody, and Julia Nelon
Research partners: Dr. Matthew Boyer, Education and Dr. Ryan Visser, Education
- **Studying the Long-Term Impacts of Virtual Reality through the Window of Reddit Discussions**
Student researchers: Tianyi Zhang, Brandon Shumin, and Hannah Carver
Research partners: Dr. Andrew Robb, Human-Centered Computing and John Porter
- **Analyzing Intern and Employer Open-ended Responses to Career Competency Questions**
Student researchers: Mary Alice Schultz and Daniel Smith
Research partners: Troy Nunamaker, Education and Aaron James
- **Automated Reproduction of Clemson Brand Colors with AI**
Student researchers: Emma Mayes, Andrew Sanborn, and Michelle Mayer
Research partner: Dr. Erica Walker, Graphic Communications
- **Understanding Political Discourse on Social Media with AI**
Student researchers: Spencer Shellnut, Nicholas Deas, Jacob Sargent
Research partner: Dr. Jeff Fine, Political Science
- **Automated Cancer Measurement using Artificial Intelligence**
Student researcher: Reed Bender
Research partner: Minjae Woo, Biomedical Data Science

AI in the Classroom Demonstration

During the afternoon poster presentations, Nate Newsome and Hudson Smith will host a demonstration of AI tools used in a classroom. This demo will integrate full-body tracking, augmented reality, and IBM Watson AI services to provide measures of classroom activity such as the number of speakers and the engagement of the students with the professor.