Day 1: Thursday, November 7 (Full Day)

09:00 – 09:15  Introductions and Announcements
09:15 – 10:15  Invited Speaker: Michael Gleicher (45-minute presentation + 15-minute Q&A)
10:15 – 10:30  Breakout Session: Topics and Team-ups
10:30 – 11:00  Coffee Break
11:00 – 12:30  Long Paper Presentations (12-minute presentation + 3-minute Q&A)
    Towards A Robot Explanation System: A Survey and Our Approach to State Summarization, Storage and Querying, and Human Interface
    Zhao Han, Jordan Allspaw, Adam Norton, and Holly Yanco
    Petri Net Machines for Human-Agent Interaction
    Christian Dondrup, Ioannis Papaioannou, and Oliver Lemon
    Language-guided Adaptive Perception with Hierarchical Symbolic Representations for Mobile Manipulators
    Ethan Fahnestock, Siddharth Patki, and Thomas Howard
    Four-Arm Manipulation via Feet Interfaces
    Jacob Hernandez, Walid Amanhoud, Anais Haget, Hannes Bleuler, Aude Billard, and Mohamed Bouri
    Unclogging Our Arteries: Using Human-Inspired Signals to Disambiguate Navigational Intentions
    Justin Hart, Reuth Mirsky, Stone Tejeda, Bonny Mahajan, Jamin Goo, Kathryn Baldauf, Sydney Owen and Peter Stone
    Automated Production of Stylized Animations for Social Robots
    Adrian Ball and Ross Mead
12:30 – 14:00  Lunch
14:00 – 15:00  Breakout Session
15:00 – 15:30  Lightning Talks (4-minute presentation + 1-minute Q&A)
    A Research Platform for Multi-Robot Dialogue with Humans
    Matthew Marge, Stephen Nogar, Cory Hayes, Stephanie Lukin, Jesse Bloecker, Eric Holder, and Clare Voss
    Fuzzy Knowledge-Based Architecture for Learning and Interaction in Social Robots
    Mehdi Ghayoumi and Maryam Pourbadi
    Multimodal Dataset of Human-Robot Hugging Interaction
    Kunal Bagewadi, Joseph Campbell, and Heni Ben Amor
    Towards Development of Datasets for Human Action Understanding in Human-Robot Interaction
    Megan Zimmerman and Shelly Bagchi
    Responsive Planning and Recognition for Closed-Loop Interaction
    Richard Freedman, Yi Ren Fung, Roman Ganchin and Shlomo Zilberstein
    Adaptable Human Intention and Trajectory Prediction for Human-Robot Collaboration
    Abulkem Abuduweili, Siyan Li, and Changliu Liu
15:30 – 16:00  Coffee Break + Poster Session
16:00 – 17:00  Invited Speaker: Manuela Veloso (45-minute presentation + 15-minute Q&A)
17:00 – 17:30  Poster Session (cont’d)
18:00 – 19:00  Reception
Day 2: Friday, November 8 (Full Day)

09:00 – 09:15  Announcements

09:15 – 10:15  Invited Speaker: Laura Hiatt (45-minute presentation + 15-minute Q&A)

10:15 – 10:30  Breakout Session: Topics and Team-ups

10:30 – 11:00  Coffee Break

11:00 – 12:30  Long Paper Presentations (12-minute presentation + 3-minute Q&A)

  Enabling Intuitive Human-Robot Teaming Using Augmented Reality and Gesture Control
  Jason Gregory, Christopher Reardon, Kevin Lee, Geoffrey White, Ki Ng, and Caitlyn Sims

  Negotiation-based Human-Robot Collaboration via Augmented Reality
  Kishan Chandan, Xiang Li, and Shiqi Zhang

  An Alert-Generation Framework for Improving Resiliency in Human-Supervised, Multi-Agent Teams
  Sarah Al-Hussaini, Jason M. Gregory, Shaurya Shriyam, and Satyandra K. Gupta

  Trust and Cognitive Load During Human-Robot Interaction
  Muneeb Ahmad, Jasmin Bernotat, Katrin Lohan, and Friederike Eyssel

  Towards an Adaptive Robot for Sports and Rehabilitation Coaching
  Martin Ross, Frank Broz, and Lynne Baillie

  Selfie Drone Stick: A Natural Interface for Quadcopter Photography
  Saif Alabachi, Gita Sukthankar, and Rahul Sukthankar

12:30 – 14:00  Lunch

14:00 – 15:00  Invited Speaker: Matthew Marge (45-minute presentation + 15-minute Q&A)

15:00 – 15:30  Lightning Talks (3-minute presentation + 2-minute Q&A)

  MAD-TN: A Tool for Measuring Fluency in Human-Robot Collaboration
  Seth Issacson, Gretchen Rice, and James Boerkoel

  Building Second-Order Mental Models for Human-Robot Interaction
  Connor Brooks and Daniel Szafir

  Commitments in Human-Robot Interaction
  Victor Fernandez Castro, Aurelie Clodic, Rachid Alami, and Elisabeth Pacherie

  Developing Computational Models of Social Assistance to Guide Socially Assistive Robots
  Jason Wilson, Seongsik Kim, Ulyana Kurylo, Joseph Cummings and Eshan Tarneja

  Towards Effective Human-AI Teams: The Case of Collaborative Packing
  Gilwoo Lee, Christofofors Mavrogiannis and Siddhartha Srinivasa

  An Automated Vehicle like Me? The Impact of Personality Similarities and Differences between Humans and AVs
  Qiaoning Zhang, Connor Esterwood, Xi Jessie Yang and Lionel Robert

15:30 – 16:00  Coffee Break + Poster Session

16:00 – 16:30  Poster Session (cont’d)

16:30 – 17:30  Breakout Session

18:00 – 19:30  Plenary Session
Day 3: Saturday, November 9 (Half Day)

09:00 – 09:15  Announcements

09:15 – 10:00  Tech Talks (12-minute presentation + 3-minute Q&A)
   Where is My Stuff? An Interactive System for Spatial Relations
   Emrah Sisbot and Jonathan Connell

   Solving Service Robot Tasks: UT Austin Villa@Home 2019 Team Report
   Rishi Shah, Yuqian Jiang, Haresh Karnan, Gilberto Briscoe-Martinez, Dominick Mulder, Ryan Gupta, Rachel Schlossman,
   Marika Murphy, Justin Hart, Luis Sentis, and Peter Stone

   MuMMER: Socially Intelligent Human-Robot Interaction in Public Spaces
   Mary Ellen Foster and Olivier Canévet

10:00 – 10:30  Tech Discussion: Haves, Needs, and Wants

10:30 – 11:00  Coffee Break

11:00 – 12:00  Future Directions and Discussion

12:00 – 12:30  Wrap-up and Closing Remarks