

## LS/CRLT AERA Talks 2017

### Thursday, April 27

**8:15-10:15am** - *CSed Visions: A Framework for Considering the Underlying Rationales for and Purposes of CS Education*. Sara Vogel (CUNY Grad Center), **Rafi Santo (IU)**, Dixie Ching (NYU).

In structured poster session: CS4All, But Why? Exploring how different Visions, Motivations and Ideologies of Computer Science Education Impact Implementation Contexts (Organizers: **Rafi Santo**, Sara Vogel. Chair: Leigh-Ann Delyser)

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

**10:35-12:05pm** - *Enacting Research-Practice Partnerships Within Decentralized Organizational Networks: A Case Study of Hive Research Lab and Hive NYC Learning Network*. Dixie Ching (NYU), **Rafi Santo, (IU)**, Laura Davis (NYU), Chris Hoadley (NYU), **Kylie Peppler (IU)**.

In structured poster session: Crossing Boundaries and Increasing Impact: Lessons from Successful Research-Practice Partnerships.

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

**12:00-1:30** - *Supporting Preservice Teachers' Development of Professional Vision: Performance Assessments and Beyond*. **Andrea Gomoll (presenting author)**, **Andi Rehak (presenting author)**, **Cindy Hmelo-Silver**, **Joshua Danish**, **Mengying Jiang**, **Yuxin Chen**, **Joey Huang**.

In Session: Seeing is Believing: Videos and Reflection to Support Preservice Teacher Development

Location: Grand Hyatt San Antonio, Second Floor, Bowie B

**12:00-1:30** - *"You have to make a makerspace": intra-active scaling of a youth-serving makerspace*. **Anna Keune**, **Kylie Peppler**.

In Session: Poster Session 1: Design and Research in Learning Environments.

Location: Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2

**2:15-3:45** - *Why are you gesturing? Elicited gestures and learning gains in an embodied learning environment*. **Alejandro Andrade**, **Joshua A. Danish**, & **Adam V. Maltese**.

In Session: Poster Session 2: Learning Sciences SIG Poster Session.

Location: Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2

**4:05-5:35pm** - *Exploring Engagement and Identity in a Living-Learning Community: First- and Second-Year Students' Experiences*. **Andi M. Rehak**.

In Session: Division J, Section 1 Poster Session

Location: Henry B. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 2

**4:05-5:35pm** - Equitable Pedagogies and Relationality in Making **Kylie Peppler**

In Symposium: 18.026

Location: Grand Hyatt San Antonio, Second Floor, Lone Star Ballroom Salon B

### Friday, April 28

**10:35am to 12:05pm** -- *Problem Solving in Coordinated Embodied Activity: Emergent Goals and Solutions* -- **Megan Humburg**, **Joshua Danish**, Noel Enyedy, **Asmalina Saleh**

In Symposium: *Designing Digital Environments to Support Mathematical and Scientific Reasoning: Theoretical and Disciplinary Perspectives*

Henry B. Gonzalez Convention Center, Meeting Room Level, Room 208

10:35am to 12:05pm - Enacting Research-Practice Partnerships Within Decentralized Organizational Networks: A Case Study of Hive Research Lab and Hive NYC Learning Network - **Dixie Ching, Rafi Santo**, Laura Davis, Christopher Hoadley, **Kylie Pepler**

In Event: Crossing Boundaries and Increasing Impact: Lessons from Successful Research-Practice Partnerships

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

4:05-5:35 - *Black Death history project* - Kalani Craig (presenting author), **Charlie Mahoney**, and **Joshua Danish**. Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 3.

Roundtable Session: "Building Students' Historical Thinking and Reasoning Skills"

4:05-5:35 - *Open Portfolios: Collaboratively Capturing Rich Learning Through Making*. **Anna Keune, Kylie Pepler**, and Stephanie Chang.

In structured poster session: *From Making to Agentic Participation: Perspectives on and Approaches to Fostering Epistemic Engagement in Making*

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

4:05-6:05 - *Digital and Analog Games Transforming Social Sciences Education: A Research Roadmap Going Forward*

In Symposium: Doug Clark, Matthew Easterday, **Chris Georgen**, Renee Jackson, Kurt Squire, Julie Oltman

Henry B. Gonzalez Convention Center, Meeting Room Level, Room 208

## Saturday, April 29

8:15-10:15am - *Analysis of an Instructor Dashboard to Support Learning and Facilitation in an Online PBL Environment*: **Yuxin Chen**, Peter Hogaboam, Maedeh Kazemitabar, Stephen Bodnar, J.P. Sarmiento, Ruth K. Sherman, **Cindy Hmelo-Silver**, Susanne P. Lajoie and Riciki Goldman.

- Session type: Structured Poster Session - Learning, Engagement, and Assessment in Technology-Rich Learning Environments
- Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

10:35-12:05 - *Youth Signaling as a Means of Generating Social Support Around Interest-Driven Learning With Technology*. Dixie Ching (NYU), **Rafi Santo (IU)**, Chris Hoadley (NYU), **Kylie Pepler (IU)**.

In Structured Poster Session: Innovations in Methods and Approaches to Tracing Youth Pathways into STEM

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 C

2:45- 4:15- "*We are a Nonlinear, Dynamic system*": *Problem-Based Design in Engineering at a Hispanic-Serving Institution*. Krista Glazewski (presenting author), **Andi Gomoll, Cindy Hmelo-Silver**, Tom Brush, Jiyoung Jung.

In Session: Factors that influence learning in the PBL process.

Location: Gonzalez Convention Center, Ballroom Level, Room 302 C.

2:45-4:15pm - *Going Further Together: A Framework for Innovation-focused Collaborations in Informal Learning Organizations*. **Rafi Santo (IU)**, Dixie Ching (NYU), **Kylie Pepler (IU)**, Chris Hoadley (NYU).

In Structured Poster Session: Fostering Networks and Collectives in the Out of School Sector: Achieving Equity, Innovation and Learning Ecosystems through Large-Scale Collaborations (Chairs: **Rafi Santo**, Dixie Ching)  
Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 221 D

## Sunday, April 30

8:15-9:45 - *Embodiment and Framing: Key Pieces of Deep Learning in One Student Interview*. **Andrea Gomoll** (presenting author), **Cindy Hmelo-Silver**, Selma Sabanovic, Matthew Francisco.

In Structured Poster Session: Fostering Deep Learning in Problem-Solving Contexts through Effective Design of Learning Environments with Technology Support.

Location: Gonzalez Convention Center, Meeting Room Level, Room 221 C.

8:15-10:15 - *Applying Bayesian Statistics for Estimating Intervention Effects in Single-Case Designs*. Li-Ting Chen, **Alejandro Andrade**, Matthew Hanauer.

In Paper Session: Single Case Designs and Small Sample Issues

Location: Henry B. Gonzalez Convention Center, River Level, Room 7A.

10:35-12:05- *STEM Identity: How Professionals in STEM Position Their Work* **Adam V. Maltese**

In Roundtable Session: 53.081-14: Science Identity and Becoming: Exploring Perceptions,

Achievement, and Career Goals

Location: Location: Gonzalez Convention Center, Ballroom Level, Hemisfair Ballroom 1

12:25-1:55- *Transfer in School: Doing the Work of Producing, Recognizing, and Ratifying Transferable Actions*. **Joshua Danish** (presenting author), **Asmalina Saleh**, **Andrea Gomoll**, Robert Sigley, and **Cindy Hmelo-Silver**.

In Poster Session 11

Location: Gonzalez Convention Center, Street Level, Exhibit Hall 4.

2:15 - 3:45 - *STEP-Bees: Coordinating Embodied Interaction with Peers, Teachers, and Computer Simulation to Support Learning*: **Joshua Danish**, Noel Enyedy, **Asmalina Saleh**, **Megan Humburg**, David DeLiema, Maggie Dahn, Christine Lee  
Grand Hyatt San Antonio, Fourth Floor, Republic C

2:15 - 3:45 - "Good for you Math": Exploring Women Crafters' Comparisons of "Craft Math" to "School Math" **Naomi Thompson**, **Kylie Pepler**, **Suraj Uttamchandani**, **Anna Keune**

In Event: Poster Session 12

In Poster Session: Motivation, Learning, and Instruction in STEM

Location: Location: Henry B. Gonzalez Convention Center, Street Level, Stars and Night Ballroom 4

4:05-5:35 - *BeeSim: Remediating Students' Engagement With Honeybees Collecting Nectar From a First- and Third-Person Perspective*: **Joshua Danish**, **Kylie Pepler**, **Naomi Thompson**.

Augmented Reality and Embodied Learning Session; Grand Hyatt San Antonio, Fourth Floor, Republic C

4:05 - 5:35 - *How Body-Based Actions Support Elementary Students' Science Explanations About the Particulate Nature of Matter*: **Asmalina Saleh, Joshua Danish, Megan Humburg**, Noel Enyedy  
Grand Hyatt San Antonio, Fourth Floor, Republic C

## **Monday, May 1**

8:15-9:45 am *Exploring Citizen Science Engagement in Collaborative Scientific Practices*: **Joey Huang, Cindy Hmelo-Silver**, Rebecca Jordan, Steven Gray, Troy Frensley, Marc Stern, Greg Newman.

In session: Everyday Science

Location: Henry B. Gonzalez Convention Center, Meeting Room Level, Room 208

8:15-9:45 Examining Portrayals of STEM in Early Childhood Television Programming: **Adam V. Maltese, Karen E. Wohlwend, Amber Simpson, Jessica Marie McKeown**

In Paper Session 66.018- Everyday Science

Location: Location: Gonzalez Convention Center, Meeting Room Level, Room 208

10:35-12:05 Synthesizing Research on Computer-Supported Collaborative Learning: Preliminary Findings - **Jessican McKeown, Kylie Ann Hartley, Roosevelt Faulkner, Cindy Hmelo-Silver**, Heisawn Jeong, **Navo Emmanuel**