

# NINTH ANNUAL SUBWAY SUMMIT ON COGNITION AND EDUCATIONAL RESEARCH



JANUARY 22<sup>ND</sup>, 2016

THE GRADUATE CENTER, CITY UNIVERSITY OF NEW YORK

WITH SUPPORT FROM:



# Schedule at a Glance

8:45am - 9:15am	Coffee <i>Segal Theatre</i>
9:15am - 10:00am	Presentation Session 1, "Epistemology" <i>Segal Theatre</i>
10:00am - 10:45am	Presentation Session 2, "Policy" <i>Segal Theatre</i>
10:45am - 11:00am	Coffee Break <i>Segal Theatre</i>
11:00am - 11:45am	Presentation Session 3, "Instructional Design" <i>Segal Theatre</i>
11:45am - 12:30pm	Presentation Session 4, "STEM" <i>Segal Theatre</i>
12:30pm - 1:30pm	Lunch & Presentation by Graduate Student Teaching Association (GSTA) <i>Room 6304.01</i>
1:30pm - 2:15pm	Presentation Session 5, "Educational Technology" <i>Segal Theatre</i>
2:15pm - 3:00pm	Presentation Session 6, "Language" <i>Segal Theatre</i>
3:00pm - 3:45pm	Lightning Talks: Presentations of New Research Tasks, Tools, and Methods <i>Segal Theatre</i>
3:45pm - 5:00pm	Poster Session & Reception (drinks and light snacks) <i>Room 6304.01</i>

# Presentations

## **Session 1: Epistemology**

*Functional Linguistic Analysis as a Solution to Epistemological Issues in Cognitive Development Research*

Patrick Byers

The Graduate Center, CUNY

*Students' Abilities to Coordinate Evidence and Models in a Model-Based Inquiry Setting*

Leah Hung

Rutgers University

## **Session 2: Policy**

*Policy Implications of a Predictive Validity Study of the Specialized High School Admissions Test at Three Elite New York City High Schools*

Jonathan Taylor

The Graduate Center, CUNY, Alum

*Mindfulness in Medicine*

Virtue Sankoh

The Graduate Center, CUNY

*Mock Interviews Inform Interventions for College Students with ASD and Other Disabilities that Are Aligned with the Principles of Universal Design*

Dennis Bublitz<sup>1</sup>, Maria Alarcon<sup>2</sup>, Kristen Gillespie-Lynch<sup>1</sup>

<sup>1</sup>The Graduate Center, CUNY and College of Staten Island, CUNY

<sup>2</sup>Brooklyn College, CUNY

### **Session 3: Instructional Design**

*Does Task Design Affect Performance and Learning for Groups and Individuals in a Difficult Design Problem?*

Davie Floyd, Huei-yi Lai  
Teachers College, Columbia University

*Student-Teacher Goal Congruence and Its Effects*

Zhongqi Shi, Xiaodong Lin-Siegler, Janet Ahn  
Teachers College, Columbia University

### **Session 4: STEM**

*The Effect of Context Variability on Mastery of Probability Rules*

Tiantian Jin, Marianna Lamnina  
Teachers College, Columbia University

*Motivating Science Learning by Connecting Students to Scientists*

Marianna Lamnina, Janet Ahn, Xiaodong Lin-Siegler  
Teachers College, Columbia University

### **Session 5: Educational Technology**

*Dying Where They Should Be Safe: Diffusing the Innovation of e-Health Featuring Avatar Videos Designed to Prevent Swimming Pool Drowning*

Davie Floyd  
Teachers College, Columbia University

*Designing Educational Multimedia: Prescriptions from Medical Education*

Steve Yavner, Adina L. Kalet, Ricki Goldman, Catherine Milne  
New York University

## **Session 6: Language**

*How the Medium Influences Urban Students' College Transition Writing and Thinking*

Phillip Kreniske, Krystie Casallas  
The Graduate Center, CUNY

*The Impact of Family Factors and Early Language Comprehension on Latino Children's Numeracy Skills at School Entry*

Kalina Gjicali<sup>1</sup>, Ivonne Monje<sup>2</sup>, Jennifer Astuto<sup>2</sup>

<sup>1</sup>The Graduate Center, CUNY

<sup>2</sup>New York University

# Lightning Talks

*An Intervention to Increase the Vocabulary Acquisition of English Language Learners*

Hamadi Henderson

The Graduate Center, CUNY

*Galvanizing Cognitive Flexibility in School Children Through Embodied Play: Understanding Academic Performance and Socio-Emotional Benefits*

Jason Frydman

Fordham University

*Finding Patterns in Student Behavior Using Visual Analytics of Game Log Files*

Paula Ceccon Ribeiro, Melissa Biles, Charles Lang, Claudio Silva,

Jan Plass

New York University

*The Box Task: A Spatial Memory Tool for Young Children*

Erin Hyle, Jason Frydman, Fran Blumberg

Fordham University

*Implementing Video Game 'Space Ranger Alien Quest' for Fostering Executive Function of Shifting in High School Setting*

Bruce Homer<sup>1</sup>, Charles Raffaele<sup>1</sup>, Jan Plass<sup>2</sup>, Alisha Ali<sup>2</sup>

<sup>1</sup>The Graduate Center, CUNY

<sup>2</sup>New York University

\* (In addition, Space Ranger Alien Quest demo will occur during poster session)

*DREAM - Digital Reference, Experiment and Assessment Manager - A Research Platform*

Jan Plass, Nikolaus Hajny, Al Olsen

New York University

\* (In addition, DREAM demo will occur during poster session)

# Posters

## **Language**

*A Comparison of Techniques for Measuring Sight Word Knowledge*

Daniel DeBonis

The Graduate Center, CUNY

*Attitudes Towards Reading, Exposure to Print, and Outcomes in a Component Reading Processes Task*

Teresa Ober

The Graduate Center, CUNY

*How Should Function Words Be Taught to Beginning Readers?*

Abigail Turner

The Graduate Center, CUNY

## **Cognitive Mechanisms**

*Causal Connections and Reading Comprehension in Children on the Autism Spectrum*

Nicholas Ullrich

The Graduate Center, CUNY

*Resolving Disagreements Found in Multiple, Conflicting Documents*

Randi Zimmerman, Clark A. Chinn

Rutgers University

## **STEM**

*Coding of Meta-Epistemic Discourse in Middle-School Science Inquiry Classes*

Brandon Mauclair-Augustin, Clark A. Chinn, Ravit Duncan  
Rutgers University

*Can Deep Structure Similarities Explain Effectiveness of Guided Cognition Homework for Literature and Mathematics?*

William B. Whitten II, Mitchell Rabinowitz, Sandra E. Whitten  
Fordham University

*Mathematics Flexible Instructional Strategies*

Ayanna Cummings  
The Graduate Center, CUNY



# Acknowledgments

## **Sponsors**

- Provost's Office, The Graduate Center, CUNY
- Program in Educational Psychology, The Graduate Center, CUNY
- Doctoral Student Council
- Graduate Student Teaching Association

## **Conference Chairs**

- Catherine Colleary, The Graduate Center, CUNY
- Charles Raffaele, The Graduate Center, CUNY
- Elana Ying Mystal, The Graduate Center, CUNY

## **Faculty Conveners**

- Patricia Brooks, Ph.D., The Graduate Center, CUNY
- Bruce Homer, Ph.D., The Graduate Center, CUNY
- Fran Blumberg, Ph.D., Fordham University

## **Additional Organizing Committee Members**

- Teresa Ober, The Graduate Center, CUNY
- Anna M. Schwartz, The Graduate Center, CUNY