

**CREA Conference Thread for:**

***Edmund W. Gordon Study Group on Diversity, Equity and Excellence in Achievement and Assessment in Science, Technology, Engineering and Mathematics Education (Institute for Urban and Minority Education, Teachers College, Columbia University)***

**Wednesday**

**2:15pm – 3:45pm**

**Wilson**

**Symposium**

***Gordon/IUME Session 1***

***Human Diversity and Achievement in STEM: Can Assessment Help?***

*Edmund W. Gordon Study Group on Diversity, Equity and Excellence in Achievement and Assessment in Science, Technology, Engineering and Mathematics Education (Institute for Urban and Minority Education, Teachers College, Columbia University)*

**Symposium Presentations**

*Exploitation of Extant Capacity of Measurement Science to Facilitate the Cultivation of Intellect*

**Catherine Voulgarides, Amanda Walker Johnson,**

University of Massachusetts

*The Limits of Test Bias as an Explanation or Solution*

**Juliette Lyons-Thomas<sup>1</sup>, Keena Arbuthnot<sup>2</sup>**

<sup>1</sup>Regents Research Fund, <sup>2</sup>Louisiana State University

**Thursday**

**8:30am-9:45am**

**Empire**

**Symposium Plenary Session**

***Gordon/IUME Session 2***

***Human Diversity and Achievement in STEM: Cultural Diversity and Pedagogy***

*Edmund W. Gordon Study Group on Diversity, Equity and Excellence in Achievement and Assessment in Science, Technology, Engineering and Mathematics Education (Institute for Urban and Minority Education, Teachers College, Columbia University)*

Chair: **Eleanor Armour-Thomas**, Queens College, CUNY

Discussant: **William Trent**, University of Illinois at Urbana-Champaign

**Symposium Presentations**

*Human Diversity & the Pedagogical Troika*

**A. Wade Boykin**

Howard University

*Culture, Experience, and Learning*

**James Gee**

Arizona State University

**12:00 Noon- 1:45pm**

## **Empire**

### **Luncheon and Edmund W. Gordon Distinguished Senior Lecture**

#### **Greetings from the National Science Foundation**

**Julia Clark**, Program Director, Division of Research on Learning (DRL),  
National Science Foundation

#### **Introduction of Speaker**

**James D. Anderson**, University of Illinois at Urbana-Champaign

Discussant: **Joanna Gorin**, Vice President for Research, ETS

#### ***When Tests Miss the Mark: Toward More Culturally Responsive Assessment***

**Lloyd Bond**, Ph.D.

Retired, Senior Research Scientist, Carnegie Endowment for the Advancement of Teaching

**2:00pm – 3:30pm**

**Salon 1**

**Symposium**

#### ***Gordon/IUME Session 3***

##### ***Human Diversity and Achievement in Stem: Cultural Variety May Not Be The Problem***

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#### **Symposium Presentations**

*Democracy, Meritocracy and the Uses of Education*

**Audra Saa Meroe**

NSF Diversity in STEM

*What is the Problem: Social Division and STEM Achievement?*

**Edmund W. Gordon**

Professor Emeritus, Yale University and Teachers College, Columbia University

**Friday**

**9:00am-10:30am**

**Wilson**

**Symposium**

#### ***Gordon/IUME Session 4***

##### ***Human Diversity and Achievement in STEM: Assessment in the Enablement of STEM Achievement***

*Edmund W. Gordon Study Group on Diversity, Equity and Excellence in Achievement and Assessment in Science, Technology, Engineering and Mathematics Education (Institute for Urban and Minority Education, Teachers College, Columbia University)*

Chair: **A. Wade Boykin**, Howard University

#### **Symposium Presentations**

*Talk as a Lever for Equity in STEM*

**Juliette Lyons-Thomas<sup>1</sup>, Sherice Clarke<sup>2</sup>**

<sup>1</sup>Regents Research Fund, <sup>2</sup>University of Pittsburgh

*Dynamic Pedagogy: The Development of Intellectual Competence Using STEM Subject Matter*

**Eleanor Armour-Thomas<sup>1</sup>, Edmund W. Gordon<sup>2</sup>**

<sup>1</sup>Queens College – CUNY, <sup>2</sup>Professor Emeritus, Yale University and Teachers College, Columbia University