

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-Thomas¹, Keena Arbuthnot²

¹Regents Research Fund, ²Louisiana 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-Thomas¹, Sherice Clarke²

¹Regents Research Fund, ²University of Pittsburgh

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

Eleanor Armour-Thomas¹, Edmund W. Gordon²

¹Queens College – CUNY, ²Professor Emeritus, Yale University and Teachers College, Columbia University