



QUALITY EDUCATION FOR MINORITIES (QEM) NETWORK

HBCU-UP Leadership Development Institute (LDI)

Cohort II: Session One

Thursday–Saturday, November 11-13, 2010

DETAILED AGENDA

Hilton Atlanta Airport • 1031 Virginia Avenue • Atlanta, GA • Tel: 404/767-9000

**QUALITY EDUCATION FOR MINORITIES (QEM) NETWORK
HBCU-UP LEADERSHIP DEVELOPMENT INSTITUTE (LDI)
COHORT II: SESSION ONE**

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AGENDA

Institute's Overall Goal: To enhance the leadership and research capabilities of STEM junior faculty and build a community of emerging leaders in STEM at HBCUs

THURSDAY, NOVEMBER 11

AM

8:30 *Registration and Continental Breakfast*

9:00 *Welcome, Introductions, Overview, and Purpose of the Institute
Review of Session Packet and Table of Contents for Resource CD*

Shirley McBay, President, QEM Network

9:30 *Characteristics of Effective Leadership: An Overview*

- *Self-assessment using an Individual Leadership Development Plan (ILDLP)*
- *Forms/Styles of Leadership*
- *Leading and Managing Change*

Costello Brown, Former Dean of Graduate Studies and
Research and (Retired) Professor of Chemistry
California State University-Los Angeles, and QEM Consultant

10:30 *Refreshment Break*

10:45 *Scholarly Productivity for STEM Leaders
(Developing a Long-term Research Agenda, Publishing, Conference
Presentations, Professional Society Membership, and Service)*

Jeanine Cook, Associate Professor
Klipsch School of Electrical and Computer Engineering
New Mexico State University, and QEM Consultant

11:30 Individual Meetings with QEM Staff/Consultants to
Review/Update Initial ILDPs

PM

12:15 Working Lunch

The Interdisciplinary Nature of Research

Kimberly Kendricks, Assistant Professor, Department of Mathematics
Central State University and HBCU-UP LDI Cohort I Fellow

1:30 *Leadership Skills Development*

- *Oral and Written Communications*
- *Networking*
- *Time Management*
- *Team-building*
- *Negotiation*

Jeanine Cook, QEM Consultant
Cos Brown, QEM Consultant

2:45 *Use of NSF's WebCASPAR Data System and US Department of Education's IPEDS on-line Databases for Data Collection, Research and Evaluation*

J. Arthur Jones, Senior Associate, QEM Network
Laura-Lee Davidson, Associate, QEM Network

3:15 *Break*

3:30 *National STEM Policies and Initiatives and their Impact on HBCUs*

Althea Burns, Associate and Conference Coordinator, QEM Network

4:00 Group Discussion:

*Critical STEM Issues and Potential Strategies that LDI Participants
Might Use to Address These Issues on their Campuses*

(including African American Males, campus climate for women-top 5 topics,
undergraduate research, and mentoring)

Participants share information on current STEM Programs at their Institutions

Facilitator: Shirley McBay, QEM Network

4:45 Feedback on Day One and Review of Day Two Agenda

5:00 Participants meet as a Group to Discuss Potential Collaborations

5:30 Adjournment, Day One

Overnight Assignment: Participants are to incorporate Day One discussions and consultant/staff feedback into their ILDPs.

FRIDAY, NOVEMBER 12

(JOINT SESSIONS HELD WITH MRI WORKSHOP)

AM

- 8:30 *Registration and Continental Breakfast*
- 9:00 *Opening Session of MRI Workshop*
Welcome, Introductions, and Purpose of MRI Workshop
Shirley McBay, President, QEM Network
- 9:30 *-Overview of the National Science Foundation (NSF)*
-Review of Purpose of NSF's Major Research Instrumentation (MRI) Program
Craig Henderson, Staff Associate, Office of Integrative Activities
National Science Foundation
- 10:15 *Coffee Break*
- 10:30 *Weaknesses in Non-funded MRI Proposals and*
Strengths of Funded MRI Proposals
Craig Henderson, National Science Foundation
- 11:00 *Criteria Used in the Evaluation of NSF and MRI Proposals*
Costello Brown, QEM Consultant
- 11:30 *Establishing the Need for Major Research Instrumentation*
Edward Thomas, Professor, Department of Physics
Auburn University, and QEM Consultant

Noon/PM

- 12:00 *Luncheon Plenary Session*
Ethics in Research/The Responsible Conduct of Research
Garrick Louis, Associate Professor
Department of Systems and Information Engineering
University of Virginia, and QEM Consultant
- 1:30 *Preparation of MRI Proposal Narrative and Budget*
Fitzgerald Bramwell, Associate Provost
Howard University, and QEM Consultant
- 2:15 *Proposal Development – Additional Key Components*
- Needs Assessment
 - Rationale, Goals, Objectives, and Key Strategies
 - Performance Indicators, Management Plan
 - Timelines and Budgets
 - Project Assessment, Evaluation, and Dissemination
- Shirley McBay, QEM Network

3:15 *LDI Participants discuss their ideas for STEM research proposals*

Facilitator: Laura-Lee Davidson, QEM Network

3:45 *Coffee Break*

4:00 *Recent Experiences in Submitting Proposals in the MRI Program Competition*

Elham (Ellie) Fini, Assistant Professor

Department of Civil, Architectural and Environmental Engineering

North Carolina A&T State University, and FY 2010 MRI Grantee

Edward Thomas, QEM Consultant

5:00 *Developing a Logic Model*

J. Arthur Jones, QEM Network

LDI Participants draft a logic model

6:00 *Working Dinner*

Achieving Promotion and Tenure

Brian Blake, Professor and Associate Dean for Research

College of Engineering, University of Notre Dame, and QEM Consultant

Overnight Assignment: Participants are to formulate initial concepts for a research or research education-focused proposal and prepare initial drafts of project summaries

SATURDAY, NOVEMBER 13

(JOINT SESSIONS HELD WITH MRI WORKSHOP)

AM

8:30 *Continental Breakfast*

9:00 *Involving Undergraduate Students in Research*

Arturo Bronson, Professor

Department of Mechanical Engineering

University of Texas at El Paso, and QEM Consultant

Casonya Johnson, Associate Professor, Department of Biology

Georgia State University, and QEM Consultant

9:30 *Integrating Research into Teaching*

Jeanine Cook, Associate Professor

Klipsch School of Electrical and Computer Engineering

New Mexico State University, and QEM Consultant

Arthur Grider, Associate Professor, Department of Foods and Nutrition

University of Georgia, and QEM Consultant

10:00 *Break*

- 10:15 *Forming Partnerships*
(Identifying stakeholders; forging collaborations; and communicating ideas)

LDI Participants share their ideas on collaboration developed in Thursday's Group Meeting

Facilitator: Althea Burns, QEM Network
- 10:45 *Overview of Selected NSF Programs and Centers / Identifying Funding Sources for STEM Research-related Projects*
- RESEARCH CENTERS OVERVIEW (for potential institutional collaborations)
 - Engineering Research Centers (ERCs): Partnerships in Transforming Research, Education and Technology
 - Materials Research Science and Engineering Centers (MRSECs)
 - Science and Technology Centers: Integrative Partnerships (STCs)
 - Research Projects through the NSF Directorate for Engineering (ENG) and the Directorate for Mathematical and Physical Sciences (MPS)
 - Broadening Participation Research Initiation Grants in Engineering (BRIGE)
 - Education and Interdisciplinary Research (EIR)
 - Small Business Technology Transfer (STTR) Program
 - Materials Research Centers and Teams
 - Cross-Directorate Programs
 - Faculty Early Career Development (CAREER) Program
 - Cyber-Enabled Discovery and Innovation (CDI)
 - Research Experiences for Undergraduates (REU)
- Laura-Lee Davidson and J. Arthur Jones, QEM Network
- 11:45 LDI Participants receive feedback on project summaries from QEM staff/consultants
- PM**
- 12:15 Working Lunch
Professional Development Opportunities for STEM Faculty
Table discussion:
-Individual LDI members report on their plans for activities prior to LDI Session II
-ILDLP updates and potential summer placements
-Reflections and feedback from LDI participants on Session One
-Next Steps: Preparing for Session Two, HBCU-UP LDI-II

Facilitator: Laura-Lee Davidson, QEM Network
- 1:30 *Use of NSF's FastLane for Submitting Proposals/Required Reports*
Evelyn Baisey-Thomas, Computer and Information Specialist
Office of Information and Resource Management, NSF (retired),
and QEM Consultant
- 3:30 *Adjournment*