

Faculty development in chemical education and research through partnership with Georgia Tech; A NSF-supported RSEC

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Outline

- Faculty Development Program – origin of RSEC
- Description of FDP
- Enhancements for chemistry faculty – RSEC
- Participants
- View of a recent participant – Andrew Leavitt

The Faculty Development Program

- To provide science, math and computing faculty the opportunity to engage in scholarly activities and to “re-tool” in their field.
- To establish mutually beneficial relationships with Georgia Tech faculty that will allow for continued collaboration in scholarly activities.
- Initiated in 1996 with grant from Board of Regents - 85 individual participants from 22 institutions

Description of the FDP

- Collaborate with a Georgia Tech faculty member and his/her research group and participate in the scholarly activities of that group
- Teach/team teach one section each term of a course mutually selected by the participant and the department chair of the host unit
- Audit courses, participate in seminar and colloquium programs as desired

Description of the FDP cont.

- Receive their normal salary from home institution
- \$12K/semester is provided by GT to home institution to assist in hiring part-time faculty
- \$2250/semester to support research activities at Tech
- \$3K allocation to purchase equipment/supplies to help sustain the partnership with Tech colleagues upon return home
- \$600/month subsistence allowance to those who must relocate to Atlanta (added in 1999)

Participants

- 85 individuals (5 repeaters)
- 12 from 2-yr schools (9/14 represented)
- 13/16 4-yr schools represented
- Kennesaw (14), Southern Poly (12), Georgia Southern (11), North Georgia (8)
- Math (25), Chem (16), Bio (11), Phys (7)

“Good to hear how well the Faculty Development Program is going. Tell the ArtSci deans that, in my view, it’s the best faculty development opportunity in the country!”

James Muyskens
Senior Vice-Chancellor
for Academic Affairs
October 14, 1996

Things missing from the FDP

- Summer participation
- Undergraduate students
- Limited to University System of Georgia

RSEC: Enhancements for chemistry faculty

- Funded in 1999 to support 4 faculty/yr for 12 mon
- Teaching obligation reduced to one course
- Participants may spend the summer following academic year participation
 - receive the smaller of 2 mon salary or \$10K
 - \$3K to support summer research
 - bring up to two students from home institution to Tech for summer
- Undergraduate students working with RSEC faculty
 - receive stipend of \$3500 and dormitory housing
 - are incorporated into the department's NSF-REU program

Participants

1999-2000

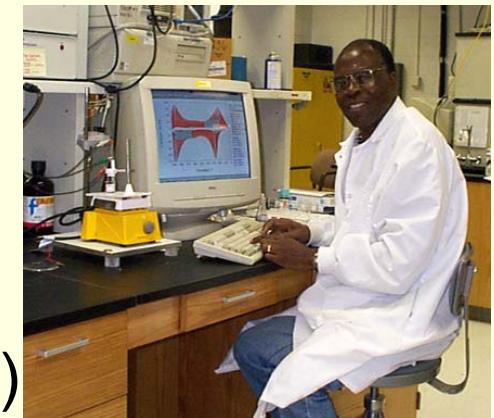
- **Ellen Jett**, North Georgia College & State University
- **JoAnn Lee-Joyner**, Spelman College
- **Allan Gabrielli**, Southern Polytechnic State University
- **Christopher Wozny**, Waycross College



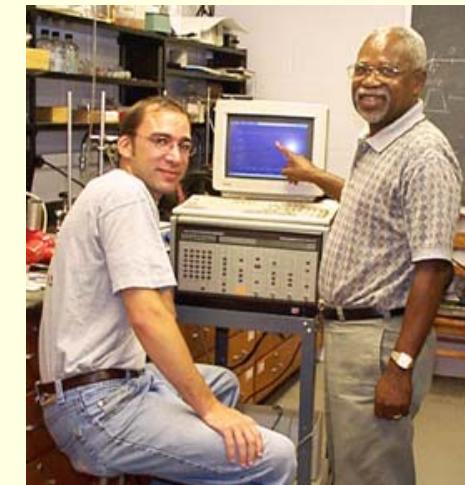
Participants

2000-2001

- **William Adeniyi**, N. Carolina A & T
- **Huggins Mismanga**, Kennesaw State University
- **John Boulos**, Barry University (Miami)



Christina Stujenske



Scott Englebert

Participants

2001-2002

- **Andrew Leavitt**, State University of West Georgia
- **Jing-yuan Zhang**, Georgia Southern University



Debra Doby



Joseph Mahaney

Participants

2002-2003

- **Elizabeth Derrick**, Valdosta State University
- **Edmond Koker**, Elizabeth City State University
- **Jeff Petty**, Furman University



Successes/Needs improvement

- Diversity of participants ▲
- Range of institutions ▲
- Participant satisfaction ▲
- Faculty satisfaction ▲
- Research output ◀
- Number of participants ▼
- Student involvement ▼

View from a participant

■ Andrew Leavitt, Associate Professor
State University of West Georgia
Adjunct Assoc. Professor, Georgia Tech

The Benefits

- Reinvigorate research interests
- Learn a new research field
- Establish a collaboration
- Teach a class
- Take a class
- Serve as a liaison between host institution and home institution