

National Science Foundation *Workshop on*
Bridges to Engineering Research - 2020
Foundation for National Partnerships



North Carolina A&T State University
 Greensboro, NC



March 12-14, 2008

PROGRAM

Wednesday, March 12, 2008

5:30 pm – 8:00 pm Workshop Registration (at **Proximity Hotel**)
 7:00 pm – 8:00 pm Reception (at **Proximity Hotel**): (Sponsored by Pratt Whitney)
 Welcome by Janice Brewington, Provost and Vice Chancellor for Academic Affairs, North Carolina A&T State University

Thursday, March 13, 2008

7:30 am – 8:00 am Continental breakfast (**Lecture Room 1 in McNair**)
 7:30 am – 10:00 am Registration (**McNair 2nd Floor Lobby**)
 8:00 am – 8:10 am Welcome by Stanley Battle, Chancellor, North Carolina A&T State University (**McNair Auditorium**)
 8:10 am – 8:20 am Introductory Remarks: Mary Juhas, Program Director for Diversity & Outreach, National Science Foundation (**McNair Auditorium**)
 8:20 am – 8:45 am Plenary session: Look Ahead from Leaders – Engineering Research-2020 Kristina Johnson, Provost, Johns Hopkins University (**McNair Auditorium**)
 8:45 am – 10:30 am (* NSF Division Directors will also present overview of their respective divisions)
 Advanced Materials & Nanotechnology I (**McNair Auditorium**) Sensors (**Graham 210**) Transportation & Healthcare (**Graham 208**)
 10:30 - 10:40 am Break (Sponsored by Xerox Corporation) (**Faculty Lounge**)
 10:40 am – 12:25 pm (* NSF Division Directors will also present overview of their respective divisions)
 Advanced Materials & Nanotechnology II (**McNair Auditorium**) Energy & Environment (**Graham 210**) Modeling & Simulation (**Graham 208**)
 12:30 pm – 1:30 pm Lunch (in **Williams Cafeteria**) (Sponsored by Northrop Grumman)
 Speaker: Chineta Davis, Vice President of Material Program Management Operations, Northrop Grumman
 1:30 pm – 2:30 pm Poster session (**IRC**)
 1:30 pm – 2:30 pm Tour of facilities A&T, and virtual tour of facilities at other HBCU/MIs (**IRC**)
 2:30 pm – 2:50 pm Plenary Session II: Look Ahead from Leaders - Engineering Research 2020: Priscilla Nelson, Provost, New Jersey Institute of Technology (**McNair Auditorium**):
 Introduced by Sanjiv Sarin, Associate Dean, College of Engineering, North Carolina A&T State University
 2:55 pm – 3:40 pm Panel Discussion on “Engineering Research Landscape at Historically Black Universities and Minority Institutions” (**McNair Auditorium**)
 3:40 pm – 3:50 pm Break (Sponsored by Xerox Corporation) (**Faculty Lounge**)
 3:50 pm – 4:35 pm Panel Discussion on “Industry-University Engineering Research Partnerships 2020 - Potential and Challenges” (**McNair Auditorium**)
 4:35 pm – 5:20 pm Panel Discussion on “Inter-university Engineering Research Partnerships 2020 - Potential and Challenges” (**McNair Auditorium**)
 5:20 pm – 6:30 Adjourn
 6:30 pm Dinner: **At Proximity Hotel** (Sponsored by Lockheed-Martin): Speaker: Dr. Carlo Montemagno, Dean, College of Engineering, University of Cincinnati

Friday, March 14, 2008

7:30 am Continental breakfast (**LRI in McNair**)
 8:00 am Plenary Session III: *Engineering Research and Education Perspectives for FY09*: Richard O. Buckius, Assistant Director of the NSF Directorate for Engineering
 McNair Auditorium): Introduced by Mary Juhas, Program Director for Diversity & Outreach, National Science Foundation (**McNair Auditorium**)
 8:45 am Panel Discussion on “Human-Capital for Engineering Research 2020 – the K-16 Context” (**McNair Auditorium**)
 9:30 am – 9:45 am Break (Sponsored by Xerox Corporation) (**Faculty Lounge**)
 9:45 am Guided Brainstorming with a moderator (nominal group technique): three breakout groups
 • Engineering Research Partnerships between universities and industry (**Faculty Lounge**)
 • Engineering Research Partnerships among universities (**McNair LR 1**)
 • Partnerships with K-14 Education in STEM disciplines (**McNair LR 1**)
 11:00 am Summary of Group Brainstorming and Discussion (**McNair Auditorium**)
 11:30 Noon Adjourn (**Faculty Lounge** box lunch)