

Awards Dinner

*NC-LSAMP Undergraduate Research Conference
Mckimmon Center
North Carolina State University, Raleigh, NC
April 26, 2002
5:15-7:00 PM*

***Moderator:** Dr. Joseph Monroe, Dean, College of Engineering/NC-LSAMP
CO- Principal Investigator, North Carolina A&T State
University*

***Greetings:** Dr. Robert Sowell, Dean, Graduate School and OPT-ED
Principal Investigator, North Carolina State University*

*Dr. Elazer Barnette, Dean, School of Technology
North Carolina A&T State University*

*Mrs. A. Ayanna Boyd-Williams, Assistant Dean for
Graduate Studies, North Carolina A&T State University*

***Invocation:** Mr. O.C. Holloway, Instructor, College of Arts & Sciences
Fayetteville State University*

***Significance of Occasion:** Dr. Eric Cheek, Adjunct Associate Professor, College of
Engineering, North Carolina A&T State University*

***Presentation of Mentor Awards:** Dr. Roosevelt Y. Johnson, Acting Director
Division of Human Resource Development
National Science Foundation*

***Recognition of Presenters:** Dr. Mattie Moss, Associate Dean, College of Arts & Sciences
North Carolina Central University*

*Dr. Dennis Maher, Professor, College of Engineering
North Carolina State University*

Cavalcade of Outstanding Faculty Mentors and NC--LSAMP STEM Scholars

***Presentation of Service Awards:** Dr. Joseph Monroe
Dr. Roosevelt Y. Johnson*

***Dedication in Memoriam:** Dr. Roosevelt Y. Johnson
Dr. Derrek Dunn, North Carolina A&T State University*

Recognition of Judges, Moderators, Workshop Facilitators, and Roundtable Panelists

***Closing Remarks:** Dr. Joseph Monroe
Dr. Roosevelt Y. Johnson*

OUTSTANDING FACULTY MENTOR



Dr. Derrek Butler Dunn

*Department of Electronics and Computer Technology
North Carolina A&T State University*

Dr. Derrek Butler Dunn received the B.S. degree in mathematics in 1989, and the B.S. degree in electrical engineering in 1990 from North Carolina A&T State University. He received the M.S. degree in electrical engineering in 1993, the M.S. degree in mathematics in 1995, and a Ph.D. degree in electrical engineering in 1998 from Virginia Polytechnic Institute and State University.

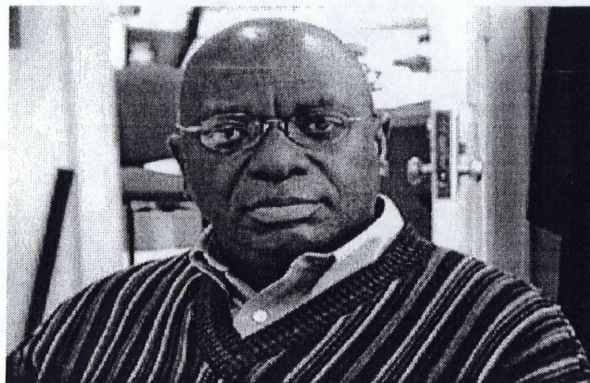
Since August 1998, Dr. Dunn has been an assistant professor of electronics and computer technology at North Carolina A&T State University. He has been a research mentor for 25 students in the NC-LSAMP Program, and an active participant in Alliance research conferences and other activities. Several students mentored by Dr. Dunn have presented their research at NC-LSAMP research conferences, the 2001 National EMERGE Conference at Georgia Tech, and the National LSAMP Conference held at Colorado State University in the summer of 2000.

During the summer of 1998, Dr. Dunn was a university faculty hire at Hewlett-Packard Labs conducting research in the area of RFID tags using FBAR technology. Subsequently, in the summers of 1999 and 2001, he was a summer faculty researcher at the Applied Research Laboratory at Penn State University. Dr. Dunn conducted research in the area of global positioning system using a CAST GPS signal simulator and two ASTECH GPS receivers. He also conducted environmental research using a LIDAR instrument to measure ozone, water vapor, and particulate matter in the lower atmosphere. Currently, Dr. Dunn's research interests include the global positioning system, wireless communication system design, real-time optical image processing, and remote sensing of the lower atmosphere.

Dr. Dunn exhibits a genuine interest in his students and enthusiastically seeks opportunities to help them excel. One of his students stated, "Dr. Dunn teaches us from what he knows and not directly from the textbook. He has a unique ability to make complicated calculations seem less intimidating. Students who have taken a class under Dr. Dunn are aware that he not only expects them to learn, but to also demonstrate their learning through application." Another student commented, "Dr. Dunn is both a professor and a counselor. He provides students the opportunity to learn as well as succeed. Moreover, he offers a helping hand during and after class. Students are confident that they can depend on Dr. Dunn to always assist them in a caring and energetic manner."

Dr. Dunn is a dedicated and diligent scholar who gives his best to all tasks assigned. He displays a personal commitment to excellence, and instills those same values in his students. Dunn is a superb role model for students, and works to assist them in realizing their own potential. An excellent teacher, researcher, and mentor, Dr. Dunn is facilitating research experiences for a significant number of undergraduate students at North Carolina A&T State University. We are proud to honor him as the 2002 outstanding faculty mentor for North Carolina A&T State University.

OUTSTANDING FACULTY MENTOR



Dr. Alade O. Tokuta

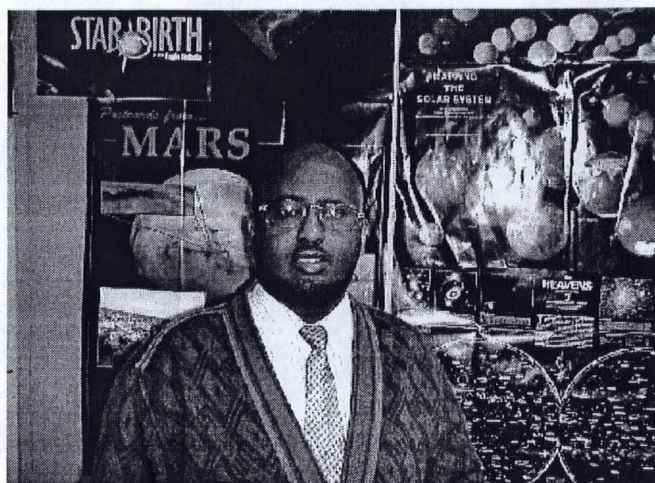
*Department of Mathematics and Computer Science
North Carolina Central University*

Dr. Alade Tokuta received the B.S. degree in electrical engineering, and the M.S. degree in electrical engineering and mathematics from Duke University. He also received the Ph.D. degree in electrical engineering and computer science from the University of Florida. In 1997, Dr. Tokuta joined the faculty at North Carolina Central University as Chair of the Department of Mathematics and Computer Science. Previously, he held academic positions at the University of South Florida and James Madison University. He was also a member of the Technical Staff at Bell Communications Research and AT&T Bell Laboratories in Holmdel, NJ. At the University of South Florida Dr. Tokuta was nominated Outstanding Teacher in the College of Engineering. More recently, he won the Dean's award as outstanding Chair in the College of Arts and Sciences at North Carolina Central University (NCCU).

Dr. Tokuta's involvement in teaching, research, and service is extensive and exemplary. He has directed and served as a member of several committees for senior projects, master's theses, and doctoral dissertations. Dr. Tokuta is published in a number of recognized scientific journals, has contributed to book chapters, and an encyclopedia, and has served on a number of international conference committees. In addition, he is a member of several professional organizations which include the Society for Industrial and Applied Mathematics (SIAM), the Institute of Electrical and Electronic Engineers (IEEE), and the Association for Computing Machinery (ACM).

Dr. Tokuta is actively involved with students at NCCU. He serves as the faculty advisor for the NCCU chapters of the National Society of Black Engineers (NSBE) and the Association of Computing Machinery (ACM). Dr. Tokuta continuously gives his support to the NC-LSAMP program. He serves as a mentor for NC LSAMP students and for other computer science majors. Moreover, he encourages these students to attend and make presentations at the annual NC-LSAMP Undergraduate Research Conferences. Dr. Tokuta attends the conferences with his students and volunteers his service as a moderator and judge each year. We are pleased to designate him as the outstanding faculty mentor at North Carolina Central University for this academic year.

OUTSTANDING FACULTY MENTOR



Dr. Abdirahman Y. Abokor

*Department of Physics
Fayetteville State University*

Dr. Abdirahman Abokor received the B.S. degree in physics from Somali National University in 1981. He received the M.S. degree in physics from Howard University in 1986, and the Ph.D. degree in theoretical nuclear physics from Texas Tech University in 1991. While a graduate student at Texas Tech University, Dr. Abokor was awarded the 1991 'Most Outstanding Graduate Student' award by the Department of Physics. University President Robert W. Lawless also acknowledged this honor with a "token" monetary award. In the summer of 1989, Dr. Abokor was also awarded the National Science Foundation Fellowship to attend the "Nuclear Physics Summer School," a seminar jointly sponsored by the National Science Foundation and Michigan State University, which was held in Gull-Lake, Michigan.

In 1992, Dr. Abokor joined the faculty at North Carolina A&T State University as an adjunct assistant professor. Since 1998, he has been an assistant professor of physics at Fayetteville State University. Dr. Abokor has been involved in teaching, research, and mentoring of students at Fayetteville State University. While at Fayetteville State University, he has written four grants, two of which were funded by the Department of Defense, and one is currently pending. In addition, Dr. Abokor has participated in numerous conferences where his students presented papers.

Dr. Abokor is an excellent role model for students. He serves as a mentor for students in the NC-LSAMP Program as well as a mentor for other students in the Department of Natural Sciences. His students are motivated and enthusiastic about the work that they do in the NC-LSAMP workshops. They regularly attend and present their research work at scientific meetings. Dr. Abokor has done a commendable job in cultivating his students' interests in sciences. He is most deserving of the designation as outstanding faculty mentor at Fayetteville State University.