

<b>Reported by (Name):</b>	Paul Gueye
<b>Organization:</b>	Physics Department, Hampton University, Hampton VA
<b>Position Title:</b>	AAPM appointed position to the American Institute of Physics/Liaison Committee for Underrepresented Minorities
<b>Activity:</b>	Minorities representation/outreach in US physics societies
<b>Meeting Dates:</b>	September 21, 2011
<b>Meeting Location:</b>	Renaissance Austin Hotel, Wedgewood Room, Austin, TX
<b>Payment \$:</b>	N/A
<b>Reasons for Attending or not Attending</b>	Report on minority effort from AAPM
<b>Issues from Previous Meetings or Year:</b>	See 2009 report
<b>General Description of Activities of the Organization and/or Meeting:</b>	See 2011 report
<b>Issues for AAPM:</b>	N/A
<b>Budget Request (\$):</b>	N/A



## American Association of Physicists in Medicine

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September 18, 2011

**From** Dr. Paul Guèye  
AAPM/Minority Recruitment Sub-Committee (WMRSC), past Chair  
AAPM/African Affairs Sub-Committee (AASC), Chair  
Dr. Stephen Avery  
AAPM/Minority Recruitment Sub-Committee (WMRSC), Chair

**Ref** WMRSC Report for AIP/LCURM Meeting

**Location** Renaissance Austin Hotel, Wedgewood Room, Austn, TX

**Date** Wednesday, September 21, 2011

### **A. Overview**

The following are some of the activities completed or ongoing:

- Organization of medical physics sessions at the National Society of Black Physicists (NSBP, 3 sessions);
- Awarded two summer fellowships to minority students;
- Texas Southern University Health Physics program;
- Medical Physics in Africa;
- Medical Physics within SACNAS;
- First survey of minority in the medical physics field;
- Medical Physics is now an option for abstract submission to APS since of 2009.

### **B. 2011 NSBP meeting**

The joint 2011 National Society of Black Physicists/National Society of Hispanic Physicists (NSBP/NSHP) meeting held in Austin, TX in September 21-24, 2011 has 3 dedicate medical physics sessions. These sessions are used to expose this field to minorities and describe overview and pathways. The organizers of these sessions have made a noticeable increase in minority applicants' interest to medical physics programs nationwide.

### **C. 2011 Minority Undergraduate Summer Experience (MUSE) program**

As of the summer 2010, the AAPM summer program that was launched in 2006 to primarily increase the population of African-American students in this field was renamed MUSE. Because of budget cuts, only 3 applicants were awarded a fellowship in 2010 and 2 applicants in 2011. A request for 4 applicants was made for the summer 2012.

### **D. Texas Southern University Health Physics Program**

Dr. Mark Harvey, assistant professor of physics at Texas Southern University (TSU) is overseeing the two-year (post-baccalaureate) professional bachelor program in Honor Health Physics with an emphasis on Environmental Health Physics and a pre-Medical Physics since the Fall 2010. Unfortunately, the Physics Department at TSU has been closed. This seems to be part of an ongoing trend for Minority institutions, especially Historically Black Colleges and



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Universities (HBCUs) and meetings are expected to be held between various physics societies and professionals to address this issue.

### **E. Medical Physics with Africa**

Three medical physics in Africa sessions were held at the AAPM annual meeting in 2009, 2010 and 2011. One of them jointly with the International Organization of Medical Physics (IOMP). This is to assist in the development of this field in Africa. Since there is a serious lack of adequate training and infrastructure, ongoing and future collaboration between the US and Africa have been identified as efficient vehicles to address this. Since Africans falls into minority population while in the US, regular update to the AIP/LCURM will be made.

### **F. 2011 SACNAS meeting**

Since 2008, Medical Physics has been slowly but steadily putting a at the annual meeting of the Society for Advancement of Chicanos and Native Americans in Science (SACNAS). The meeting is typically held in October. We expect more to be made in the future, following the success of the MED session at NSBP by learning from members of this NSBP Section.

### **G. 2011 AAPM workforce survey**

The American Association of Physicists in Medicine (AAPM) funded a study of the medical physics workforce to better understand current supply and demand for the profession. The study was designed to guide future policy initiatives related to education, training, and credentialing of medical physicists (MPs). The study was conducted by the Center for Health Workforce Studies (the Center), at the School of Public Health, University at Albany, State University of New York. The research was conducted between January 2009 and September 2010. Project activities included: a literature review and background report including a longitudinal analysis of historical trend data; interviews and focus groups with nearly 80 individuals knowledgeable about the medical physics profession; a survey of all currently active MPs including students, residents, educators, consultants, and employed MPs conducted in 2009 (N=5,487, response rate 48.1%); and development of simulation models to project supply and demand for MPs over the next 20 years under a number of training scenarios using data collected in the annual AAPM American Institute of Physics and the 2009 Center surveys. The report indicates that the Race/Ethnicity of MPs by years of work experience as a MP in 2009 and considering whether the person was a student or resident and have worked between less than 5 years to 20 years or more was: 71.7% for White, 1.5% for Black/African-American, 0.2% for American Indian/Alaska native, 22.3% for Asian or Pacific Islander and 4.3% for Hispanic/Latino.