



ACTIVITIES & RESOURCES



TECHNICAL WEBINARS & DISTINGUISH LECTURE SERIES (DLS). Each webinar is an hour-long with time dedicated for facilitators to answer questions from attendees. Topics include GRE preparation, daily routine of a graduate student, proposal writing, and the dissertation defense. The targeted presentation, DLS, discusses graduate school, computing research, academic faculty employment, research scientist positions, and other topics related to the benefits of getting a Ph.D. in computing sciences.



TAPIA CELEBRATION OF DIVERSITY IN COMPUTING. The goal of the Tapia Conferences is to bring together undergraduate and graduate students, faculty, researchers, and professionals in computing from all backgrounds and ethnicities to connect with others, receive feedback on research, and learn from others in their field.



iaamcs

INSTITUTE FOR AFRICAN-AMERICAN
MENTORING IN COMPUTING SCIENCES

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I am the future.

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IAAMCS'S OBJECTIVE IS TO:



Increase the number of African-Americans receiving Ph.D. degrees in computing sciences



Promote and engage students in teaching and training opportunities



Add more diverse researchers into the advanced technology workforce

Shape your future in computing sciences with iaamcs.

ACTIVITIES & RESOURCES (CONTINUED)



FACULTY AND STUDENT TRAINING

consists of face-to-face workshops and webinars for students and their advisors to provide a shared context for the completion of the research experience. Student training will center around time management, managing expectations, and research processes (such as literature review, source control, etc). The advisor training is based on documented differences between mentoring by effective and non-effective teachers of African-American students.



K-12 OUTREACH

provides opportunities for undergraduate and graduate students to work with middle and high school students through computing awareness and exposure events, after-school programs, and summer camps. The goal of these programs is to provide opportunities for low-income and middle class African American, Latino, and female student to explore computer science and develop programming and computational thinking skills. Through graduate and

undergraduate participation in these programs we aim to provide middle and high school students with a role model with similar racial and gender backgrounds to help them develop identities as computer scientists. For the graduate and undergraduate facilitators we aim to provide opportunities for them to give back to communities with similar demographics as they ones that they came from and to help bolster their skills and identities as computer scientists.



ACADEMIC YEAR UNDERGRADUATE RESEARCH (AYUR)

increases the African American PhD pipeline by introducing second semester freshmen and sophomore students who have not participated in REU programs, but have completed at least one computer science course, to research in computing. Applications for funded research projects may be submitted annually by a sponsoring faculty member with an attached resume and research statement for each student included on the team.



DREU

accepts applications from both interested students and mentors who are then matched based on interests and backgrounds. Participants are required to complete a 10-week research experience that consists of several checkpoints in the process to insure uniform expectations and outcomes.



DISTINGUISHED FELLOWS WRITING WORKSHOP

guides undergraduate and graduate students through the process of writing a competitive application for summer internships, graduate school, and/or external funding. Junior and senior-level undergraduates as well as first and second year graduate students are the targeted audience for this workshop.



COMPUTING COMPETITIONS,

held annually at the Tapia Conference, consist of a day of activities, with robotics, mobile apps, gaming, and other relevant areas of computing as the domains for multiple competitions.