

The Georgia Tech (GT) Material Advantage (MA) Chapter combines academic, outreach, and social activities to bring together the talented and diligent undergraduate and graduate students that comprise their Materials Science and Engineering (MSE) community. Monthly general MA meetings include time for the students to socialize and catch up with each other while enjoying a slice of pizza. Designated speakers from industry, academia, or student body discuss issues and subjects relevant to GT-MA chapter members and their peers. These meetings have included discussions concerning the benefits of active involvement with professional materials societies, new areas in materials research, and internship, research, and fellowship opportunities. The meetings also provide the chance to update the students with the latest news and opportunities from the Material Advantage member societies and conferences. The MA Chapter also works closely with the ASM Atlanta chapter to organize both student and professional events. In addition to these activities, the MA Chapter creates opportunities for MSE students and faculty to socialize and get to know each other outside of an academic setting by organizing football and basketball tailgates as well as organizing intramural sports teams.



The 2009-2010 Georgia Tech Material Advantage board

The GT-MA chapter recognizes the importance of science and technology outreach to students both on-campus as well as at secondary schools in Atlanta and the surrounding area. For the past two years, their MA chapter has been actively involved in National Engineering Week activities, which, at Georgia Tech, means competitively promoting your department with a booth at an outdoor forum on campus alongside other departments. Since the competition began two years ago, the Georgia Tech MSE booth run by the MA chapter students has won the best table competition. Off-campus, the MSE students are actively involved in the student founded, ASM funded, and MA run Georgia High School Outreach for Science and Technology (GHOST) Program. This program brings materials science to local high school classrooms and also enables high school teachers to bring their students to MSE at Georgia Tech for a more personal view at materials science and engineering. Outreach activities also extend to actively participating in the annual Materials Camp for teachers organized by the ASM Atlanta chapter and the ASM International.



Georgia Tech MSE students teaching through the GHOST Program

The MA chapter at Georgia Tech strongly encourages the MSE students to attend and make presentations at conferences, as well as to participate in student competitions. This past year, the Georgia Tech MA chapter was well represented at TMS and MS&T where its members participated in the undergraduate student speaking contest. Students also participated in the undergraduate poster contest in which they placed both 2<sup>nd</sup> and 3<sup>rd</sup>. Additionally, one of their senior design teams was awarded the 3<sup>rd</sup> place prize in the ASM International Student Design Competition for their project entitled “Inorganic Templating of Pollen For Catalytic Material Applications”.