REMARKS BY GEORGIA TECH PRESIDENT G. WAYNE CLOUGH
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• “The very essence of leadership is that you have a vision.” (Theodore Hesburgh, long-time president of Notre Dame)

• The idea that Tech students need vision reflects changes in the world around us:
  - Technology is becoming increasingly pervasive, yet most users have only a superficial understanding of it and of its ramifications.
  - Even before 9-11 the importance of technology in solving major problems was clear:
    → Global warming and other environmental issues: politics can’t solve these problems; need sustainable technology
    → E-commerce is demonstrating how technology can change the economy, open international markets.
    → Biotechnology advances, controversies.
  - 9-11 emphasized the importance of technology in addressing terrorism and security issues (e.g. sensors to detect anthrax and other bio-toxins).
  - Enron emphasized the importance of financial engineering, ethics.

• We may not be able to see the future clearly, but the problems that need to be solved to make it better are staring us in the face. The future is not a whole new ballgame; having a vision for the future means solving the problems of the present. And they need technology solutions.

• However, engineering enrollments are declining. General public and high school students in particular do not see the role of engineering in solving these major problems.

• Time for scientists and engineers to come out of their shells and become leaders in this new environment. Opportunities for leadership for those who understand technology and its uses.
  - Engineer 2020 (“perfect vision” of the engineer of the future)
  - President’s Council of Advisors on Science and Technology: the role of science and technology in national and international policy, economic development.

• What do these new leaders look like, how do we create them at Georgia Tech?
  - Recruit well-rounded students.
  - Educate balanced graduates who:
    → understand how technology fits into the bigger picture and becomes a tool to solve problems and achieve goals in society.
    → can visualize the potential dangers and abuses of technology as well as its constructive uses; can think definitively about ethical issues.
can work on teams and manage diversity well. (Hitler once said he didn’t see much future for America because of our tolerance of Jews and African Americans. Lack of ethics/tolerance warped his vision.)

are continually learning (“It is the learners who inherit the future.” Eric Hoffer)

- Georgia Tech programs that help create future leaders with vision:
  - Servant leadership chair, Arnie Stancil.
  - Homer Rice leadership course/Total Person program.
  - Programs like LeaderShape.
  - GT Edge – official transcript recognition for well-rounded program of extracurricular activities.

- Vision must be shared. It is not enough just to come up with an idea to solve a problem in your own head. You have to involve others in developing it so that they buy in, feel a sense of ownership, and work toward its achievement.