

Raghu Pucha: Academic Professional, School of Mechanical Engineering, Georgia Tech.

RESEARCH INTERESTS

<http://intact.gatech.edu>

<http://www.me.gatech.edu/faculty/pucha>

CAD/CAE & Manufacturing, Mechanics of Composite Materials, Process mechanics and Design-for-Reliability

TEACHING INTERESTS

Graphics and Visualization, Computer-Aided Design and Finite Element Analysis, Statics, Deformable Bodies, Machine Design, and Mechanical Behavior of Composites.

EDUCATION AND POST-DOCTORAL TRAINING

Ph.D, 1990- 1995, Indian Institute of Science, Bangalore, India

Research Associate, 1995-1997, Nanyang Technological Univeristy, Singapore

Post-doctoral Fellow, 1997-2000, Purdue Unversity, West Lafayette

Post-doctoral Fellow, 2000-2005, Georgia Tech, Atlanta

20 Journal publications,
35 conference proceedings,
5 book chapters/articles
and 3 provisional patents

PROFESSIONAL EMPLOYMENT

Senior Research Engineer, 2005-2013, Georgia Tech, Atlanta

Academic Professional, 2013- Present, Georgia Tech, Atlanta

[Google Scholar Citations](#)

RESEARCH FUNDING

8 external funded projects as Co-PI, including NIST-ATP (2003-05), DOE/AMO (2013-16) and NSF-REU (2014-17). Many GT funded projects including seed grant from Institute of Materials (2014-15)

TEACHING

ME/AE 1770: [Introduction to Engineering Graphics and Visualization](#) Fall 2005 – Present - [Team Projects](#)

ME 4041: [Interactive Graphics and Computer-Aided Design](#), Fall 2004 – Present

ME 3180: [Machine Design](#) Fall 2011 and Fall 2012

COE 3001: [Deformable Bodies](#) – Fall 2012

Positively Influenced
over 3200 students in
last 10 years.

MENTORING

Over 40 Undergraduate Students from School of ME and AE, Georgia Tech. and other universities (Through research for credit, and undergraduate research fellowships including PURA, SURE, Air-products, NASA-summer and GT-REVAMP programs)

One Undergrad Research Option with Thesis (from School of AE)

8 Graduate Students (through research collaboration with other Faculty)

SERVICE

Thesis Committee member: One MS and two PhD Students, Georgia Tech.

TEACHING AWARDS AND RECOGNITION

[GT Online News Paper, 2015](#)

[Geoffrey G. Eichholz Faculty Teaching Award 2015, Georgia Tech.](#)

[GT Spotlight, 2015](#)

[George W Woodruff School of Mechanical Engineering Teaching Fellow - Spring 2014.](#)

[CETL Undergraduate Educator Award 2012, Georgia Tech.](#)

[GT President: Dean Griffin's Day Talk](#)

[SciTrain U Scholar](#) – Fall 2010.

[GT Online News Paper, 2010](#)

[Inaugural 1969 Teaching Scholar, 2008 – 2009, CETL, Georgia Tech.](#)

PROFESSIONAL ACTIVITIES

Chair, [Pre-College Outreach / STEM K-12, AIAA Atlanta Chapter Fall 2012 – Present.](#)

Member ASEE, ASME

Senior Member – AIAA and IEEE