

MAE WELCOMES NEW FACULTY...



RICCARDO BEVILACQUA (PhD University of Rome, "Sapienza," Italy) is the recipient of two Young Investigator Awards, from AFOSR and ONR, of the Dave Ward Memorial Lecture Award from the Aerospace Controls and Guidance Systems Committee, and of two recent Air Force Summer Fellowships. His research focuses on spacecraft formation flight and space robotics. He has authored more than 50 journal and conference publications.



STEVEN A.E. MILLER (PhD Penn State) conducts research in theoretical fluid dynamics, theoretical aeroacoustics, and related disciplines. He previously worked as the theoretical aeroacoustician at NASA Langley Research Center. He has received the NASA Early Career Achievement Medal, the Doug Ensor Award, the AIAA Hampton Roads Section Robert A. Mitcheltree Young Engineer of the Year Award, and the AIAA Laurence J. Bement Young Professional Paper Award.



JONATHAN SCHEFFE (PhD University of Colorado, Boulder) focuses his research on the conversion and storage of solar energy in the form of renewable fuels or electricity. His background is in the fields of high temperature reactor design, solid state kinetics and thermodynamics. He previously worked at the Renewable Energy Carriers Laboratory at ETH Zurich. He currently serves as the Chair of the ASME Solar Energy Division.



DOUGLAS SPEAROT (PhD Georgia Tech) joined MAE after teaching at the University of Arkansas since 2005. His research focuses on the use of atomistic and mesoscale simulation techniques to study the mechanical and thermodynamic properties of materials. He received the NSF CAREER Award to elucidate the nanoscale mechanisms associated with phase selection during vapor deposition and the 2007 Ralph E. Powe Junior Faculty Enhancement Award to study plasticity in nanostructured materials. He has received several teaching awards at the Department, College and University levels.

MAE BY THE NUMBERS

LARGEST DEPARTMENT

on UF campus

>1,700

Undergraduate students (current)

>300

Master's students (current)

>175

PhD students (current)

53

full-time faculty (47 tenure, tenure track)

352

BS degrees per year (avg. last 5 years)

75% vs. 25% BSME vs. BSAE

17% students w/ dual degrees

150

Master's degrees per year (avg. last 5 years)

37

PhD degrees per year (avg. last 5 years)

\$28M

2-year research expenditures

NEW

Capstone Design Realization for ME

Experimental

Aerodynamics for AE

Student Design Center

MAE ACCOMPLISHMENTS – CONGRATULATIONS TO:

S. "BALA" BALACHANDAR was promoted to Distinguished Professor, **THE UNIVERSITY'S HIGHEST HONOR.**

NEW SOCIETY FELLOWS:

WARREN DIXON (ASME & IEEE)

HITOMI YAMAGUCHI GREENSLET (ASME & SME)

DAVID HAHN (Optical Society of America & Society of Applied Spectroscopy)

PETER IFJU (Society for Experimental Mechanics)

GREG SAWYER (Society of Tribologists and Lubrication Engineers)

GHATU SUBHASH (Society for Experimental Mechanics)

AWARDS & PROMOTIONS:

JACOB CHUNG (ASME 2014 Heat Transfer Memorial Award)

CARL CRANE (UF College of Engineering Teacher of the Year 2016)

PETER IFJU (new MAE Associate Chair)

SAEED MOGHADDAM (ASME 2014 Outstanding Early Career)

WINFRED PHILLIPS (UF Alumni Assoc. 2016 Gold Standard Award)

SUBRATA ROY (Royal Aeronautical Society)

MALISA SARTINORANONT (new MAE Graduate Coordinator)

CURTIS TAYLOR (new Assoc. Dean for Undergraduate Affairs)

MAE STUDENTS received **5 NSF GRADUATE STUDENT FELLOWSHIP** awards in 2016, the most of any department on the UF campus.

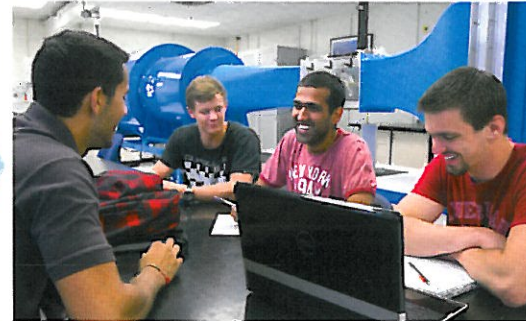
MAE plans to hire 10 additional faculty members in the next 5 years!

MECHANICAL AND AEROSPACE ENGINEERING is highly committed to providing an active learning environment with an emphasis on design, innovation, leadership and teamwork. We are pleased to highlight a few of our students, student groups and their activities.



NEW!

» In the new **EXPERIMENTAL AERODYNAMICS**, students get critical experience conducting and reporting on experiments.



» MAE's **FORMULA SAE** team finished 2nd in 2015 with upwards of 30 students participating.



» For UF's **THERAPEUTIC HORTICULTURE** project, students created handicap accessible greenhouse tables that adjust to the ideal height of the patron.



NEW!

» **MAE STUDENT DESIGN CENTER** houses many Undergraduate Design/Build groups. Center provides 3,600 sq. ft. of state-of-the-art design and build space.



» **DESIGN FOR MANUFACTURING LAB** provides critical experiential learning for freshmen and sophomore students



» MAE has a very diverse group of students including Varsity athletes who compete for **NCAA NATIONAL CHAMPIONSHIPS**.