The Weekly Databyte
UAH College of Engineering

Message from the Dean

Dear Faculty and Staff

As you know on March 15th it was announced that the new Dean of Engineering will be Dr. Shankar Mahalingam. Dr. Mahalingam is currently the Chairman of the Mechanical Engineering Department at the University of California - Riverside.

I had the pleasure of meeting with Dr. Mahalingam on Monday and found him to be an interesting, engaging, and personable individual. I believe that he has the skills to continue to move the College of Engineering to new and greater heights.

His extensive research portfolio and connections with a wide variety of funding agencies has the potential to open new doors for us into a broader range of funding sources. He also has experience in overseeing a rapidly growing department at UC-Riverside.

On Wednesday at the Expanded Research Council meeting the Provost announced that Dr. Mahalingam will be joining us on August 10th - I hope you will join me in welcoming him to UAHuntsville and the College of Engineering.

Regards,

Dean Farrington

UAH Welcomes Dr. Shankar Mahalingam
Leading combustion researcher appointed UAHuntsville College of Engineering Dean

Dr. Shankar Mahalingam has been chosen to lead the College of Engineering at The University of Alabama in Huntsville. Mahalingam currently serves as Chair of the Department of Mechanical Engineering at the University of California, Riverside (UCR) and will formally join the
**McAfee Update**

A McAfee policy change inadvertently caused some McAfee users to be prevented from getting virus updates. The fix is simple, but it is urgent that this be done as soon as possible so that your virus software can continue updating and provide protection from new viruses.

Follow this [link](#) to download the fix.

If you need assistance, please contact the Technical Assistance Group at 256-824-3333 or contact tag@uah.edu

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**A Quick "Databyte"**

**Team UAH Concrete Canoe - 25 Years of Accomplishment**

The ASCE UAHuntsville Student Chapter was chartered in 1985. Participation in the first concrete canoe competition resulted in finishing last in regional competition with a 3.66 m (12 ft) long boat that weighed 204 kg (450 lb)! Since then, Team UAH has improved each year's canoe, learning from past performances. This year's "Super Charger" is 6.1m (20.0 ft) in length and weighs 95.2kg (210 lb).

Team UAH has proudly represented the highly competitive Southeast Region 15 times at the ASCE/MBT National Concrete Canoe Competition. Team UAH is only one of two student clubs to have finished among the top 5 at the national level and has never finished lower than 9th place.

Team UAH has won the national competition five times and has placed 2nd three times. Team UAH remains the only team to have swept the competition by winning every event in 1994. (edited excerpts from ASCE UAH Student Chapter webpage)

**ASCE Student Chapter website**

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**2010 Concrete Canoe Competition**

Team UAH pulled together to win the Southeast Conference Concrete Canoe title.

Team UAH pictured with "SUPER CHARGER"

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**Charged up for Change**

**EXPO**

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Dr. Mahalingam is an internationally recognized leader in the areas of direct and large eddy simulations of turbulent combustion, flame spread experiments, computational fluid dynamics applied to turbulent combustion, acoustic-flow interactions, and cardiovascular fluid dynamics. His research has been funded by the Air Force Office of Scientific Research (AFOSR), the Office of Naval Research (ONR), the National Science Foundation (NSF), United States Department of Agriculture Forest Service (USDAFS), the American Chemical Society Petroleum Research Fund (ACS-PRF) and the Los Alamos Laboratory, among other agencies and institutions.

He has been named twice as NASA AMES/Stanford Center for Turbulence Research Summer Fellow, and has also been awarded a DOE-AWU faculty fellowship twice. Dr. Mahalingam has published widely in leading scholarly journals including Combustion and Flame, Combustion Theory and Modeling, Combustion Science and Technology, Physics of Fluids, Proceedings of The Combustion Institute, and the AIAA Journal. He received his bachelors, masters, and Ph.D. degrees in mechanical engineering from the Indian Institute of Technology, Madras, State University of New York at Stony Brook, and Stanford University, respectively.

Dr. Mahalingam also brings interdisciplinary expertise in the delivery of instruction using the web and a keen interest in excellence in teaching and learning. He is a member of The Combustion Institute, American Physical Society (Fluid Dynamics), Sigma Xi, International Association of Fire Safety Science, Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA), and Fellow of the American Society of Mechanical Engineers (ASME).
Charged Up For Change! EXPO at UAHuntsville highlights the work of individuals and groups making positive local and global change. Come enjoy a unique experience of art, music, science and technology, cuisine, activism, athletics, dance, and all the other countless ways people in Huntsville make a difference.

The EXPO is March 31, 2010, 10 AM-2 PM in UAHuntsville's University Center. The community change fair will last from 10-1, and a panel discussion will follow.

The purpose of the event is to encourage students and others who visit the EXPO to see how they might get involved in many of the activities in the community, or how they might use their own imaginations to create social change in unusual ways. Exhibitors and visitors will be able to network and exchange ideas. Local musicians, actors, and performance artists will contribute to the carnival-like atmosphere, as will refreshments, door prizes, and other creative surprises. Admission is free and open to the public.

www.uah.edu/expo

2010 Alabama Manufacturers of the Year Awards

The Alabama Manufacturers of the Year Awards were announced on Wednesday, March 24th in Montgomery.

Large Manufacturer (+400 employees)
Adtran, Huntsville

Medium Manufacturer (100-399 employees)
STERIS Corp., Montgomery

Small Manufacturer (1-99 employees)
Turner Medical, Athens

Emerging Manufacturer
Hyundai Motor Manufacturing, Montgomery

For more information visit: http://www.bcatoday.org/

ISEEM 2010 Student Success Conference
Journeying to UAH for the "Homecoming"

ISEEM distance learning students came from all over the country to attend the 2010 Student Success Conference and a chance to meet each other. About thirty master and doctoral candidates spent time March 11-12 at Technology Hall learning about their programs, ways to succeed, and meeting ISEEM faculty.

Keynote speakers for the two day event included Dr. Michael Griffin, King-McDonald Eminent Scholar, Center for Systems Studies Director and MAE professor; and Colonel (Ret) Stephen R. Dwyer, who is currently program manager for Science and Engineering Services, Inc. Workshop Presenters included Marc Stettner, PMP, a project management specialist at Continental Automotive Corp., and Dr. Sampson Gholston, ISEEM associate professor.

For more information and photos of the event: www.ConcreteCanoe.org

Team UAH dedicated their win to the faculty and staff that were shot on campus during the initial construction of the canoe. Team UAH's dedication statement reads, "The victims and their families have our deepest and most heartfelt sympathy and we'll forever remember those killed and wounded as some of our school's most dedicated "Superchargers."

The University of Alabama team will also represent the Southeast Conference at this year's NCCC. Their team qualifies as last year's national host. Other Southeast Conference results: 2nd - Florida, 3rd - University of Central Florida, 4th - Florida Tech, 5th - Vanderbilt. Auburn University hosted this year's regional event with Tennessee Tech doing the honors in 2011.

The UAH faculty advisors for concrete canoe team are Dr. John Gilbert, MAE, and Dr. Houssam Toutanji, CEE department chair.

ASCE UAH Student Chapter celebrating their win at Southeastern Conference

Colonel (Ret) Stephen R. Dwyer
Shelby Center Memorial

Team Redstone wished to send condolences and support to the faculty, staff, and students of UAHuntsville after the February 12 campus shooting. At the invitation of General Myles, the commanding General of Team Redstone, approximately 40 UAHuntsville representatives attended a memorial service for Drs. Johnson, Davis, and Podila at Sparkman Auditorium on Redstone Arsenal. During the service, a huge banner signed by hundreds of Redstone personnel was unveiled and presented to Dr. Williams and UAHuntsville. The banner has been placed just inside the south entrance to Shelby Center for everyone to view and draw support from Team Redstone.

The six beautiful ficus (ficus benjamina) trees have been placed in front of the north side windows at Shelby Center. The ficus trees have personal words and prayers, written on cards and attached with ribbons for each of the six faculty members.

ISEEM conference committee members - Dr. Sam Gholston, current ASEM chapter secretary and recent engineering management masters graduate Lisa Blanchard, and immediate past ASEM chapter president and doctoral candidate Stephanie Brown worked with ISEEM faculty and staff to provide a packed agenda that included time for an evening reception.

Additional ISEEM Faculty, Staff, Students & Guests who participated in the Student Conference:

ISEEM Faculty
Dr. Paul Componation, Professor
Dr. Ted Eschenbach, member of Graduate Faculty
Dr. Robert Henriksen, part time instructor, member of Industry Advisory Board
Dr. Gillian Nicholas, Assistant Professor
Dr. Sherri Messimer, Associate Professor; COE Associate Dean
Dr. Donald Tippett, Associate Professor
Dr. Jim Swain, Professor; ISEEM department chair
Dr. Dawn Utley, Associate Professor

ISEEM Staff
Kathy Gentry, Staff Assistant

Distance Learning
Dr. Sherri Carson, DL Operations Manager
Dottie Luke, Secretary

ISEEM Student
Sushil Shetty, Ph. D. candidate

Library
David Moore, Lecturer, Assistant to the Dean

Guest
Dave McCarty, MSE graduate, introduced Retired Colonel Stephen Dwyer

ISEEM & DL Staff Members Honored

Recognition Received during ISEEM Student Conference

The ISEEM graduate students attending the Student Conference honored two key staff members for all their hard work and dedication - not only for the conference but for all their efforts throughout the academic year.

ISEEM Staff Assistant Kathy Gentry and Distance Learning Secretary Dottie Luke received plaques and beautiful roses during one of the conference luncheons.

Congratulations Dottie & Kathy for a job well done!
SEND YOUR UPCOMING EVENT DATES, STORIES, & PHOTOS TO THE WEEKLY DATABYTE

databytes@eng.uah.edu
Looking forward to hearing from you!

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