

MAC eNews

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Diversity is the theme
2014 Eminent Engineers
MFF Mixer
MAC turns 25 in 2015



Spring Meeting in NOLA

Spring meeting for AICHe is traditionally a smaller meeting with more emphasis on the business sector. However, the discussion around programs and AICHe's role in the industry was vigorous. Read through the MAC minutes and when you come to your next AICHe meeting, plan to come to the MAC Business Meeting.

Fall Meeting

Atlanta, Nov 16-21, 2014

Plan to join us in Atlanta for Fall Meeting for all the MAC events. If you cannot attend but have an issue or interest, contact members



From AICHe's own website: AICHe seeks to advance diversity through K-12 outreach programs, efforts of its Minority Affairs and Women's Initiatives committees, through local sections and student chapters and competitions, and in countless other ways.

Focus on DIVERSITY

This year, the AICHe Gala event will focus on Diversity. This is an exciting time for MAC because we are an important way that AICHe promotes and encourages diversity in the chemical engineering profession. To be successful, this is what we need from our Members:

Ideas: We are asking MAC members to think of ways that MAC can further promote diversity. Send your thoughts to the executive committee and they may form the foundation of a proposal.

Volunteers: We are looking for volunteers for a new sub-committee for Long Term Planning. This committee would help to develop one or two long term proposals and see them through a funding cycle.

Officers: Next year's officers will be in an exciting position of expanding MAC's focus and strengthening MAC's connections to AICHe. We need interested members for the positions of Treasurer, Secretary and Co-Chair.



MAC Leadership 2014

Dr. Emmanuel A. Dada is the President and CEO of ChemProcess Technologies, LLC, and an adjunct faculty member at Prairie View A & M University. He worked for FMC Corporation, 15 yrs, and for Rohm and Haas Company (now part of Dow Chemicals) for 5 yrs. Emmanuel received his BS in ChE from Obafemi Awolowo University, Nigeria and his MS and PhD in ChE from Lehigh University in Bethlehem, PA. He has served as chair of the MAC from 2000-2002 and chair of the MAC Student Awards since 1999. He was awarded the AICHe-MAC Williams Grimes Award for Excellence in Chemical Engineering in 2012, the AICHe-MAC Distinguished Service Award in 2000 and Black Achiever in Chemical Engineering Award in 2008. Emmanuel has served on the AICHe Societal Impact Operating Council (SIOC) since 2001 and as its chair from 2006-07. Emmanuel was elected fellow of Nigeria Society of Chemical Engineers (NSChE) and fellow of the American Institute of Chemical Engineers (AICHe).

Upcoming MFF Exploratory Party Meeting

If you are new faculty, old faculty or thinking about pursuing an academic career, consider joining us at Fall Meeting for an exploratory gathering. Come and invite a colleague. We are compiling an email list for detail distribution so send us your info (Kathy Lee or DeMarcus Hunter).

Volunteers Still Needed

A volunteer organization needs volunteers. MAC is looking for you. Please contact the the sub-committee chair of your choice.

- * Scholarship Committee - Emmanuel Dada
- * Archive Committee - Timothy Odi
- * Minority Faculty Forum Committee - Christine Grant

MAC Turns 25 in 2014

Celebrating our past

We've made progress but we need your help. Let the MAC Executive Committee know

- * Were you MAC chair from 2005-2007?
- * Have you ever served as Secretary or Treasurer? Or headed a subcommittee?
- * Will be attending Fall 2014 meeting in Atlanta
- * Are you interested in participating in a video archive project?

We would like to hear about your MAC participation. Please contact Kathy Lee or Timothy Odi.

Look for the Donor Appeals Letter

If you have given money in the past either by dues checkoff or separate donation, MAC scholars thank you. And look for a 2014 Donor Appeal Letter. This is just to remind you of the great work that MAC does in awarding scholarships to undergraduates. Be a DONOR.

W2R2 Launches in 2014

The Women Workplace Retention and Re-entry (W2R2) project is a new and exciting AICHe program that combines the Institute's support of diversity and professional development. Retention and Re-entry of women in the workplace are key to maintaining the best talent in industries and academia. W2R2 will be launched at the 2014 Annual Meeting in Atlanta with a workshop and panel discussion. As a first activity, the W2R2 workshop is a direct collaboration between SIOC and WIC. This new template is representative of SIOC's role of assisting new programs by doing the initial "heavy lifting" and then turning over the program to the operating committee.

This is an exciting opportunity for MAC also. If you have an idea for a MAC activity, contact MAC (Kathy Lee) or SIOC (Zenaida Gephardt) for an assist with a proposal and people power.

Become an Active participant

Elections for MAC are not until Fall 2014 but it is not too early to think about running for office. Chair-Elect, Treasurer and Secretary positions are available. Contact current officers for information.

Finding MAC Scholars

We are trying to find students who received MAC scholarships. If you know the email or contact information for any MAC scholars, please send ask them to contact

kathylee30@comcast.net
emmanuel.dada@ymail.com

Announcing MAC Eminent Engineers for 2014

It is an honor to introduce our 2014 Eminent Engineers. All honorees have made significant contributions to the field of chemical engineering and beyond. Make plans to come to the Eminent Engineers Forum to hear personally about their stories.



DR. BOBBY SATCHER

Dr Robert (Bobby) L. Satcher, earned his BS and PhD degrees in Chemical Engineering from the Massachusetts Institute of Technology (1993) and his MD from Harvard Medical School in 1994. He was selected for Astronaut training after his Post Doctoral research Fellowship work at MIT. He flew on the 31st Space Shuttle Mission , STS-129 to the Space Station, in November 2009, logging 259 hours in space , and performing two successful Space Walks (EVA Extra Vehicular Activity), of 12 hours duration. The Space Shuttle mission was completed in 10 days.

With the ending of the Shuttle Program, Dr Satcher returned to Medical Practice, joining MD Anderson Cancer Center in Houston, as Assistant Professor in the department of Orthopedic Oncology. Dr. Satcher recently received a grant from

AT&T to establish a Telesurgery Platform at MD Anderson. He has tutored “at risk students” in inner cities in California, in Math and Science. Dr. Satcher was a member of the Robert H. Lurie Cancer Center and the Institute of Bioengineering and Nanotechnology at Northwestern University. He is also a Board Certified Physician at the American Board of Orthopedic Surgery with licenses in Texas and California. He is a member of the Visiting Committee, Whittaker College of Biomedical Science at MIT and serves as Astronaut Representative for the NASA Committee for Protection of Human Subjects in Space. He is also a member of Doctors United in Medical Missions, where he has performed outreach medical missions in underserved countries including Nicaragua, Venezuela, Nigeria, and Gabon.

Dr. ROSEMARIE D. WESSON

Dr. Rosemarie D. Wesson joined the Engineering Directorate of the National Science Foundation (NSF) as a Visiting Scientist/Engineer on leave from The Dow Chemical Company. During her tenure at NSF she has held numerous Director positions, including Acting Director for the Emerging Frontiers in Research and Innovation (EFRI) Program and Acting Senior Advisor for Emerging Technologies and Interdisciplinary Research. She is currently Program Director for the Chemical and Biological Separations Program at NSF and also an adjunct professor in the Department of Chemical Engineering at the University of Maryland, College Park.

Prior to joining NSF, Dr. Wesson was a Senior Research Leader in Dow Chemical Company’s Corporate Materials Science R&D. Dr. Wesson’s responsibilities included supervision and leadership in the polymer rheology research arena. Her background is chemical engineering with an emphasis on polymer rheology and processing. Dr. Wesson received her B.S. in Chemical Engineering from The Massachusetts Institute of Technology, and her M.S. and Ph.D., both in Chemical Engineering, from The University of Michigan. Dr. Wesson is a registered Professional Engineer.

Dr. Wesson has also worked in academia as a faculty member in the Department of Chemical Engineering at Louisiana State University in Baton Rouge, LA. She has authored or co-authored numerous technical papers in the area of numerical analyses of polymer crystallization kinetics, structure property relationships of crystalline materials, and finite-element analyses of polymeric flows. She has taught graduate and undergraduate courses in numerical methods, heat transfer, and polymer rheology.

Dr. Wesson is one of the few female Fellows of the American Institute of Chemical Engineers (AIChE) and currently serves on the Board of Directors. She is also a member of the American Chemical Society (ACS) and the American Society for Engineering Education (ASEE).



DR. BABATUNDE A. OGUNNAIKE

Babatunde A. (“Tunde”) Ogunnaike is the William L. Friend Chaired professor of Chemical Engineering and Dean of the College of Engineering at the University of Delaware. He received the B.Sc. degree in Chemical Engineering from the University of Lagos, Nigeria; the M.S. degree, in Statistics and the Ph.D. degree in Chemical Engineering both from the University of Wisconsin–Madison.

Dr Ogunnaike is the author or co-author of four books including a widely used textbook, *Process Dynamics, Modeling and Control*, and *Random*



Phenomena: Fundamentals of Probability and Statistics for Engineers. He is an Associate Editor of the journal *Industrial and Engineering Chemistry Research*. His awards include the American Institute of Chemical Engineers 1998 CAST Computing Practice Award, the 2004 University of Delaware's College of Engineering Excellence in Teaching award, the 2007 ISA Eckman Award, and the 2008 AACC Control Engineering Practice award. He was named a fellow of the American Institute of Chemical Engineers in 2009, and elected to fellowship of the Nigerian Academy of Engineering and elected to the US National Academy of Engineering both in 2012.

MAC Distinguish Service Award Recipient: Dr. Timothy O. Odi

Dr. Timothy O. Odi is an Engineering Fellow at Chevron Phillips Chemical Company. He has over 23 years of diversified chemical engineering experience in research and development, process engineering, modeling and optimization with two global chemical/petrochemical USA companies, 3 years of university teaching and 1 year of industrial training with petroleum refinery and oxygen plant. His current work involves modeling and process engineering support of olefin and polyolefin manufacturing technologies. He joined Phillips Petroleum in 1997, which became Conoco Phillips and Chevron Phillips Chemical in 2000, having worked for Dow Chemical from 1990-1997.

He is a member of the Computing and Systems Technology and the Fuel and Petrochemicals divisions of AIChE. He is an active member of the South Texas local section of AIChE. He has held several positions in AIChE: immediate past chair of the Minority Affairs Committee (MAC); former chair of the societal impact operating council (SIOC); and past treasurer of MAC.

He received his BSChE (1980) with first class honors from University of Lagos, Nigeria; MS (1986) and PhD (1990) chemical engineering from Northwestern University, Illinois. He is a registered professional engineer in Louisiana. He is a fellow of AIChE and the Nigerian society of Chemical Engineering. He has three patents and many publications.



William Grimes Award Recipient Dr. Lance R. Collins

Lance R. Collins, professor and the S.C. Thomas Sze Director of the Sibley School of Mechanical and Aerospace Engineering at Cornell, was named the Joseph Silbert Dean of Engineering for a five-year term beginning July 1, 2010.

As dean, Dr. Collins is the chief academic and administrative officer for the college, which has about 240 faculty, 250 non-professorial academics, nearly 3,000 undergraduate and 1,400 graduate students and about 225 staff. As a member of Cornell's senior administration team, the dean



reports to the provost and works closely with other deans and executive officers on behalf of the university as a whole.

Dr. Collins joined Cornell in 2002, following 11 years as assistant professor, associate professor and professor of chemical engineering at Pennsylvania State University. Since 1999, he has also held a joint appointment in the mechanical and nuclear engineering department at Penn State, and in 1998 he was a visiting scientist at the Laboratoire de Combustion et Systemes Reactifs (a National Center for Scientific Research laboratory in Orleans, France) and at Los Alamos National Laboratory. He was director of graduate studies for aerospace engineering at Cornell 2003-05, and he served this academic year on Cornell's Strategic Plan Advisory Council.

Collins' research combines simulation and theory to study a variety of turbulent flow processes. His work on mechanisms of droplet breakup in turbulence was recognized with the 1997 Best Paper Award from the American Institute of Chemical Engineers. In 2007, he was elected a fellow of the American Physical Society.

He earned his B.S.E. in 1981 at Princeton University and his M.S. in 1983 and his Ph.D. in 1987 at the University of Pennsylvania, all in chemical engineering.

2014 Charles M.A. Stine Award Recipient Professor Samson A Jenekhe



The 2014 Charles M.A. Stine Award is presented to Professor Samson A. Jenekhe, the Boeing-Martin Professor of Chemical Engineering at the University of Washington. Professor Jenekhe will present the keynote talk in the MESD Plenary Session at the 2014 Annual Meeting in Atlanta.

The Charles M.A. Stine Award is bestowed annually to a leading researcher in recognition of outstanding contributions to the field of materials science and engineering. Previous winners include many important researchers in the materials engineering field. The Stine Award is sponsored by E.I. duPont de Nemours & Co., and recognizes an individual's outstanding contribution to the scientific, technological, educational or service areas of materials engineering and science.

MAC Leadership 2014

Chair: Kathy Lee (kathylee30@comcast.net)

Chair-Elect: Isaac Gamwo (gamwoi@gmail.com)

Treasurer: Gbenga Ajiboye (ajiboy@yahoo.com)

Secretary: DeMarcus Hunter (demarcushunter@yahoo.com)

Sub-committee Chairs

Scholarships: Emmanuel Dada (emmanuel.Dada@ymail.com)

Archive: Timothy Odi (odito@cpchem.com)

MFF Exploratory: Christine Grant (grant@ncsu.edu)