

## PMSE Councilor Bio 2011

Charles Carraher is Professor of Chemistry and Biochemistry and Associate Director of the Florida Center for Environmental Studies at Florida Atlantic University. He has served the Division and ACS in many varied positions for over 30 years. He is cochair of PolyEd, on the board of IPEC and serves as alternate councilor and has served various roles in the areas of membership, programming, strategic planning and other venues. He has also served the ACS in many roles including being a member of the Committee on Professional Training and a number of Minority and Women ACS committees. He is a member of the first classes of PMSE Fellows and PC Fellows and a Fellow of the American Chemical Society and received other awards such as the PMSE Distinguished Service Award and is a recipient of the Florida Award that recognizes the outstanding chemist in southeast US. Recently, one of his text books received the American Library Association Outstanding Textbook Award. He has over 1,000 publications and over 60 books. He works in a number of areas including metal-containing materials, natural and renewable (green) materials, instrumentation for analysis, electrically conductive materials, nucleic acid mimics, and biomedical materials. He has run a number of symposia for the Division. He is on the editorial board/associate editor of several materials-related journals.



As we move further into the new century and as the Division evolves we need to both retain an emphasis in more traditional materials as they also evolve with new applications and increased properties; and to move to also focus on new evolving materials including ceramics, composites, biomaterials, hybrid materials, etc. We need to support both these emphases with appropriate programming, expanded electronic venues, and other useful opportunities. We, the ACS and PMSE, need to continue to work towards seeking ways to serve you, the membership, in tangible ways. I will be honored to serve you as councilor.

Anthony "Jay" Dias received B.S. degree in Chemistry from Kean College in 1982, and a Ph. D. in Polymer Science and Engineering from the University of Massachusetts in 1986. Since then he has worked for the ExxonMobil Chemical Company holding a number of positions in both research and management. Jay currently holds the position of Chief Scientist. His research has focused on polymer blends, networks, simulation, nanocomposites, polymer surfaces and interfaces, the control of polymer topology, and the application of this research to develop new polymer products. His research has resulted in over 20 publications and 40 US patents.



Jay has been a member of ACS since 1982 and an active member in three divisions including PMSE, POLY and RUBBER where he often organized and chaired symposia. Jay has served the PMSE division in several capacities; ranging from Technical Program Committee in 1998 through division Chair in 2004. Since that time Jay has served as the Chair of Symposium Funding.

Electing a Councilor to represent PMSE in the ACS is analogous to electing a congress member. A Councilor has a vital role in ACS governance and act on issues of importance to PMSE members as well as all chemical scientists. The Councilor must stay informed of all ACS activities and report back all important actions and votes taken by the Council. Jay is ready to serve PMSE in this capacity. He will continue to represent the voice of the membership at the ACS and will continue to look for new ways to serve.

## **Biographical Sketch**

*David J. Lohse*

David J. Lohse received B.S. degrees in both Physics and Computer Science from Michigan State University in 1974, and a Ph. D. in Materials Science from the University of Illinois in 1978. He then spent two years at the National Bureau of Standards in Gaithersburg, MD under an NSF-NRC Fellowship, working on the theory of polymer solutions with Isaac Sanchez. Since then he has worked for Exxon Mobil Corporation, first in the Long Range Polymer Research Group of Exxon Chemical Co., and from 1987 in what are now the Corporate Strategic Research Labs of ExxonMobil Research & Engineering Co. in Annandale, NJ, retiring from the position of Distinguished Research Associate in June 2011. His research has focused on the thermodynamics of mixing polymer blends, nanocomposites, neutron scattering from polymers, the control of rheology by molecular architecture, polymer crystallization, and the application of such knowledge to develop improved polymer products. His research has resulted in over 117 publications (including a book on “*Polymeric Compatibilizers*”) and 36 US patents.



Dave has been a member of ACS and PMSE since 1976. He has served the division in several capacities. Among these are Program Chair from 1991-94, Secretary in 1995, Chair in 1998, and initial chair of the Fellows Committee from 1999-2003. He was elected a Fellow of the American Physical Society in 2000, a PMSE Fellow in 2005, and an ACS Fellow in 2010. In April 2008 he received the Distinguished Service Award from PMSE. In March 2010 he received the Cooperative Research Award from PMSE jointly with Prof. Nikos Hadjichristidis of the University of Athens. Since 2003 he has been a Councilor for PMSE, serving for most of that time on the Divisional Activities Committee (DAC), finishing her service on that committee in 2010 as chair. On DAC he was active in a number of areas, including establishing the cross-divisional thematic programming, revising the divisional allocation formula to better serve the needs of the divisions, and setting up the electronic dissemination of national meeting content. Dave is glad to serve PMSE in this capacity, and will continue to look for new ways to promote PMSE and help it achieve the vision outlined in the Strategic Plan if re-elected as Councilor.

Dean C. Webster

Dean Webster is Professor in the department of Coatings and Polymeric Materials at North Dakota State University. He received a BS in Chemistry and a PhD in Materials Engineering Science from Virginia Tech. Prior to joining NDSU in 2001, he worked at Sherwin-Williams and Eastman Chemical Company. His research involves the synthesis of novel nanocomposite systems for barrier coatings, high performance thermosetting systems, non-toxic underwater marine coatings, and the development of thermosetting resin systems from biobased raw materials. He has served the Division as member at large, served as member of the long-range planning committee, and served in various roles leading to Chair in 2008. He is the recipient of the 2011 Roy W. Tess award. Being selected to serve as councilor for PMSE would be a high honor, since the position of councilor as an critical one for the Division in representing the interests and needs of the Division and its members to the broader Society.

