

ALAN G. MARSHALL
2012 Nichols Medalist

The ACS New York Section congratulates and extends its best wishes to **Professor Alan G. Marshall**, the Robert O. Lawton Professor of Chemistry and Biochemistry, Ion Cyclotron Resonance Program, National High Magnetic Field Laboratory, Florida State University, who will receive the **William H. Nichols Medal Award** on March 16, 2012 at the Crowne Plaza Hotel in White Plains, New York. Professor Marshall's medal citation reads: "For Advances in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry." The Nichols Medal is presented at an award dinner following the Nichols Distinguished Symposium that will feature 4 internationally known chemists – Professors Richard N. Zare, Michael L. Gross, R. Graham Cooks and our Medalist. Former medalist Professor John D. Baldeschwieler will introduce his good friend and colleague to the guests. Professor Alan Marshall is the 106th recipient of the Nichols Medal Award.

Professor Alan G. Marshall completed his B.A. degree with Honors in Chemistry at Northwestern University in 1965, and his Ph.D. in Physical Chemistry from Stanford U. in 1970. He joined the Chemistry faculty at the University of British Columbia (Vancouver, Canada) in 1969. He moved to Ohio State University in 1980 as Professor of Chemistry and Biochemistry and Director of the Campus Chemical Instrument Center. In 1993, he moved to Florida State University, where he is Robert O. Lawton Professor of Chemistry and Biochemistry and Director of the Ion Cyclotron Resonance (ICR) Program, an NSF national user facility for mass spectrometry.

Professor Marshall co-invented and leads the continuing development of Fourier transform ICR mass spectrometry. His current research spans FT-ICR instrumentation development, fossil fuels and environmental analysis, and mapping the primary and higher-order structures of biological macromolecules and their complexes.

His major recognitions include: Fellow, American Physical Society; Fellow, American Association for the Advancement of Science; Fellow, Society for Applied Spectroscopy; three American Chemical Society national awards (Chemical Instrumentation, Field-Franklin Award, and Analytical Chemistry Award); three Spectroscopy Society of Pittsburgh Awards (Hasler Award, Spectroscopy Award, and Analytical Chemistry Award); American Society for Mass Spectrometry Distinguished Contribution Award; International Society for Mass Spectrometry Thomson Medal; Chemical Pioneer Award from American Institute of Chemists, Eni Frontiers in Hydrocarbon Research Award, and Fellow of the American Chemical Society.

Professor Marshall is a former President of the American Society for Mass Spectrometry, and serves on several editorial boards. He has published 4 books, 5 patents, and 534 refereed journal articles, and has presented more than 1,700 talks/posters at conferences, universities, government labs, and industry. His papers have been cited more than 21,000 times. Of his 113 former Ph.D.'s and postdocs, 33 have gone on to academic positions.