

The SAS Spectrum Newsletter

The Newsletter of the Society for Applied Spectroscopy



September, 2006

SAS ELECTION RESULTS

CONGRATULATIONS TO OUR NEW OFFICERS



**PRESIDENT-ELECT
JOHN CHALMERS**

John Chalmers now operates mostly as a self-employed consultant after retiring from the UK chemical company ICI plc in 1999. Towards the end of his 34 years with ICI, John led the vibrational spectroscopy team within the ICI Materials Research Centre, Wilton, England. Within ICI, John's major research activities focused on applications developments for polymer analysis and characterization, using vibrational spectroscopy. Much of this was concerned with developing methods for product quality and process assurance, links with chromatographic techniques, and novel applications of FT-IR microscopy techniques, often in collaboration with academic institutions.

John has been a visiting lecturer to the School of Chemical Sciences, University of East Anglia. Currently he has an honorary position in the School of Chemistry at the University of Nottingham.

John has published or co-authored over 50 papers and 12 book chapters. He has also co-authored one book and edited or co-edited several more. John co-edited with Professor Peter Griffiths the 5-volume Handbook of Vibrational Spectroscopy. He was the chairman of the U.K. Infrared and Raman Discussion Group (IRDG) from 1995 until 2004. He has, since 1988, served in various committee roles, including chairman, for the Molecular Spectroscopy Group of the Analytical Division of the Royal Society of Chemistry (RSC). He has been chairman and a trustee of the Association of British Spectroscopists (ABS) since 1997. John has been a member of the Society of Applied Spectroscopy (SAS) since 1989. He served as the International Delegate Governing Board Member of the Society for the period 2000–2002 and currently holds this position again. He became a Fellow of the Royal Society of Chemistry (CChem FRSC) in 1994, and in the same year was the recipient from the Coblenz Society of the Williams–Wright Award. John has served on numerous conference organizing and program committees, both national and international, and tutored on several courses on vibrational spectroscopy. He is currently a European Regional Editor for Spectroscopy magazine, and Article Editor for Spectroscopy Europe.

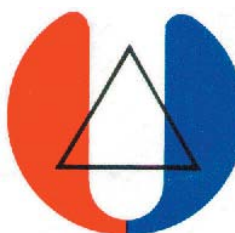


**SECRETARY
TIM KEIDERLING**

Tim Keiderling is a Professor of Chemistry at the University of Illinois at Chicago, where he has been on the faculty for ~30 years. He earned a PhD in Physical Chemistry (Spectroscopy) from Princeton and did a postdoc at University of Southern California, where he participated in developing Vibrational Circular Dichroism (VCD). He has explored other spectroscopies on sabbaticals in Europe and has experience as a Department Head and other administrative posts.

His research at UIC has ranged from transition metal complex spectra (crystals), Zeeman effect studies of small molecules (gas and solution), organic molecule applications of VCD and theoretical developments, isotopically induced chirality, and most particularly, bio-polymer applications of IR and VCD spectra. There the focus was initially on peptide, protein, and nucleic acid structure, and has moved on to protein folding studies, both equilibrium and dynamic, and use of isotope labeling to give peptide IR, Raman, and VCD spectra site-specific character for interpretation of local conformations. Coupled to this are Quantum Mechanical and Molecular Dynamic computational analyses of the structures and dynamics.

Tim has been a member of SAS for some time (1990), been on the Governing Board for one term, was a member and Chair of the Megger's Award Committee, and periodically presented a short course ("Biological Infrared and Raman Spectroscopy" with Rina Dukor). He is an active educator and researcher with >200 published papers and reviews; he also provides reviews regularly for and publishes occasionally in Applied Spectroscopy.



**FACSS 2006
33rd FACSS
Disney's Contemporary Resort
Lake Buena Vista, FL
September 24-28, 2006
Details at <http://facss.org>**

Comments to newsletter@s-a-s.org