Handbook of Vibrational Spectroscopy, 5 Volume Set
John M. Chalmers (Editor), Peter R. Griffiths (Editor)


DESCRIPTION

THE DEFINITIVE RESOURCE

The first truly comprehensive work on vibrational spectroscopy, providing a one-stop reference for infrared, near-infrared and Raman spectroscopy.

AUTHORITATIVE, ...

With contributions from acknowledged leaders in the field, the calibre of the editors and authors speaks for itself.

Volume 1: Theory and Instrumentation

Volume 2: Sampling Techniques

Volume 3: Sample Characterization and Spectral Data Processing

Volume 4: Applications in Industry, Materials and the Physical Sciences

Volume 5: Applications in Life, Pharmaceutical and Natural Sciences

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ABOUT THE AUTHOR

**Peter Griffiths** obtained his B.A. and D.Phil. from Oxford University in England. After a two-year post-doctoral stint at the University of Maryland, he worked with Digilab, Inc. (now the Spectroscopy Division of Bio-Rad) on the development of the first FT-IR spectrometer of the modern era. He subsequently held positions with Sadler Research Labs, Ohio University and the University of California, Riverside, before being appointed as Chair of the Department of Chemistry at the University of Idaho, a position that he held for eight years. He has co-authored over 240 papers, 25 book chapters and 2 books. The second edition of Fourier Transform Infrared Spectroscopy, which he wrote with James de Haseth, will appear next Spring. Griffiths has received several honors and awards including the Coblentz Award in 1975, the Spectroscopy Society of Pittsburgh Award in 1985 and the Prêgl medal of the Austrian Society of Analytical Chemistry, the Gold Medal Award of the New York SAS and the University of Idaho Award for Research and Creative Activity, all in 1995. He was president of the SAS in 1994 and still maintains an active interest in the Society, including being an associate editor of Applied Spectroscopy and one of the local section delegates in the new Governing Board structure.

**John Chalmers** joined the UK chemical company ICI plc in 1965, serving his 'apprenticeship' in the infrared laboratory, headed by the late Harry Willis, of its Plastics Division. In 1988, John became a Senior Research Scientist and leader of the vibrational spectroscopy team within the ICI Materials Research Centre, Wilton, eventually leaving the Company in 1999 as a Business Research Associate, a scientific ladder appointment he received in 1991.

Since early 2000, John has split his time between roles. He presently has a part-time Senior Scientific Officer appointment with Professor Mike Chesters' group in the School of Chemistry at the University of Nottingham. He also operates independently as a consultant trading as VSConsultancy.

John has published or co-authored over 50 papers and 12 book chapters. He has also co-authored 1 book, edited and contributed to 2 more and co-edited this Handbook with Peter Griffiths. John has been a visiting lecturer to the School of Chemical Sciences, University of East Anglia. He has been chairman of the U.K. Infrared and Raman Discussion Group (IRDG) since 1995, a committee member of the Molecular Spectroscopy Subject Group of the Analytical Division of the Royal Society of Chemistry (RSC) since 1998, including a period as its chairman from 1996-1998. He has been chairman and a trustee of the Association of
British Spectroscopists (ABS) since 1997. John was elected as an International Delegate Governing Board Member of the Society of Applied Spectroscopy (SAS) for the period 2000-2002. He became a Fellow of the Royal Society of Chemistry (CChem FRSC) in 1994, and in the same year was the recipient from the Coblentz Society of the Williams-Wright Award.

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