



GRATTAN KENNETH

Honorary Member, ENGLAND

Professor, Ph.D.

Date of birth: December 9th, 1953

BSc, PhD, DSc, CPhys, FInstP, CEng, FIEE, FInstMC, FEng

Dean of the School of Engineering & Mathematical Sciences – City, University London

Professor of Measurement and Instrumentation

Personal information. Professor Grattan graduated in Physics from Queen's University Belfast with a BSc (First Class Honours) in 1974 and a PhD in Laser Physics. His research involved the use of laser-probe techniques for measurements on potential new laser systems.

Following Queen's, in 1978 he became a Research Fellow at the Imperial College of Science and Technology, sponsored by the Rutherford Laboratory to work on advanced photolytic drivers for novel laser systems. This involved detailed measurements of the characteristics and properties of novel laser species and a range of materials involved in systems calibration. In 1983 he joined City University as a "new blood" Lecturer in Physics, being appointed Professor of Measurement and Instrumentation in 1991 and Head of the Department of Electrical, Electronic and Information Engineering. His research interests have expanded to include the use of fibre optic and optical systems in the measurement of a range of physical and chemical parameters. His work has been sponsored by a number of organizations including EPSRC, the EU, DERA, private industry and BTG, with whom a joint patent for systems for monitoring in the water industry is held. He obtained a DSc from City University in 1992 for his sensor work. Professor Grattan is extensively involved with the work of the professional bodies having been Chairman of the Science, Education and Technology of the Institution of Electrical Engineers, the Applied Optics Division of the Institute of Physics and he was President of the Institute of Measurement and Control during the year 2000. He was awarded the Callendar Medal of the Institute of Measurement and Control in 1992, and the *Honeywell* Prize for the work published in the Institute's journal.

Professor Grattan has been Deputy Editor of the journal *Measurement Science and Technology* for several years and currently serves on the Editorial Board of several major journals in his field in the USA and Europe. In January 2001 he was appointed Editor of the IMEKO Journal *Measurement* and also serves on their General Council. He is the author and co-author of over five hundred publications in major international journals and at conferences and is the co-editor (with Professor B T Meggitt) of a five volume topical series on Optical Fiber Sensor Technology. Professor Grattan is also Dean of the School of Informatics.

Research interests: • Measurement and Instrumentation • Fibre optic sensors for physical measurement • Fibre optic sensors for high temperature measurement • Applications of optical sensing techniques in industrial situations.

Career: postdoctoral research asst. Dept. of Physics Imperial Coll. of Sci andTech London 1978-83; City Univ London: lecturer in measurement and instrumentation 1983-87, sr. lectr.1987-88, reader 1988-91, prof. of measurement and instrumentation 1991-now, head Dept. of Electrical, Electronic & Information Engrg. 1991-2001, assoc. dean **Sch.**of Engrg. and Mathematical Sciences 2001-06, dep. dean 2006-08, dean Sch. of Informatics and dean Sch. of Engrg. and Mathematical Sciences 2008-now; ed Measurement 2001-now; numerous invited lectures and talksto professional bodies and int. meetings; Liveryman Wors hipful Co ofScientific Instrument Makers 1995 (steward 1998-2011, asst. 2011-); FInstP 1992 (memb 1984), FIET (FIEE 1992, memb 1985), FInstMC 1995 (memb. 1986, Callendar Medal 1992, vice-pres. 1996-99, pres. 2000), FEng 2008.

Books and publications: *Concise Encyclopedia of Measurement and Instrumentation* (with L Finkelstein, 1994), *Optical Fiber Sensor Technolog*, vols I-V (with B T Meggitt, 1995, 1997, 1999 and 2000), *Fiber Optic Fluorescence Thermometry* (with Z. Y. Zhang, 1995); also author of over 700 papers on measurement, instrumentation and optics in leading int. professional jls. Incl. *Physical Review*, *Review of Scientific Instruments*, *Sensors and Actuators* and *IEEE Transactions*.

References: <http://www.city.ac.uk/engineering-maths/staff/professor-ken-grattan>
<http://www soi.city.ac.uk/~se387/>

