



**Nicos Karcanias**

Professor Emeritus in Systems and Control Engineering

Senior Research Fellow

Systems and Control Engineering Centre, Department of Engineering

School of Mathematics, Computer Science and Engineering

City, University of London

Northampton Square, London EC1V 0HB, UK

[N.Karcanias@city.ac.uk](mailto:N.Karcanias@city.ac.uk)

Professor Nicos Karcanias is a graduate of NTUA of Athens in Electrical Engineering and has M.Sc. and Ph.D. in Control Engineering from UMIST (UK), a DSc from City University and Honorary Doctorate from NTUA. During the period 1974 to 1980 he has carried out research in the Control and Management Systems Group of the University of Cambridge as a Research Assistant and then Research Fellow. In 1980 he joined the Department of Systems Science of City University as a Lecturer and then joined the Electrical Engineering Department of the same university where he was promoted to a personal chair in 1993 as Professor of Control Theory and Design. He is now Associate Dean for Research in the School of Engineering and Mathematical Sciences, and he is Director of the Systems and Control Centre. He is Fellow of IET (IEE), Fellow of IMA and senior member of IEEE. He is Editor of IMA Journal of Mathematical Control and Information, Associate Editor of IEEE Control Conferences (CDC and ACC Conferences), Associate Editor for IFAC World Congress.

His research has been in the development of the algebraic, geometric and algebra-geometric methods for Control Theory. His research on the Control fundamentals has been accompanied by an effort to migrate Systems and Control to Complex problems, such as the development of a Control based methodology to *Systems Integration* and developing Control based methodology for *Complex Systems*. This research has been supported by EPSRC and a number of EU projects. He has been the author/co-author of over 230 scientific publications, the holder of a number of research grants including eight major EU grants and supervisor of over twenty completed PhD thesis. His research publications are in the areas of Linear Systems, Mathematical Systems Theory, Control Theory and Design, Algebraic Computations, Mathematical Methods for Control, Systems Theory of Measurement, Systems and Control to Complex Systems, Integrated Systems Design, and algebra-geometric methods. The main drive of his current research is the development of systems and control for complex systems, by developing the theory required for the new systems paradigms of “*structure evolving systems*” and “*Systems of Systems*”. He is the author/coauthor of over 267 papers published in Scientific Journals and Conference Proceedings and has supervised 35 completed PhD thesis. His research has been supported by a number of EU projects and EPSRC grants.