



Professor San Murugesan

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Biography

In a career spanning over four decades in academia and industry, Professor San Murugesan served in senior management and executive roles in academia and industry, developed, managed and led several academic programs; successfully lead development of innovative IT projects; provided leadership in academic administrations, research and development; and offered consultancy services. His expertise and interests span a range of areas and includes several areas in computing and IT – artificial intelligence, the Internet of Things (IoT), cloud computing, green computing and sustainability, smart systems, social media, IT applications in healthcare and business. He is also interested on social implications of IT and social media. He consults on research and development, and serves on review panels and editorial boards and as external examiner and advisory board members for educational and training institutions. He also developed and offered professional multi-level certificate training programs on emerging areas in digital technologies and applications.

Professor Murugesan served in various senior positions including Director of Research and Head of School of Computing and Multimedia at Southern Cross University and Deputy Head of School at the University of Western Sydney, Director and Professor of Graduate Management Program at Multimedia University in Malaysia, and Deputy Division Head and Project Engineer at the Indian Space Research Organization, Bangalore, India. For two years, he served a Senior Research Fellow of the US National Research Council at NASA Ames Research Center, California, USA. He has held visiting positions at the City University of Hong Kong in Hong Kong and Concordia University in Canada and taught courses there. He is an invited visitor to many universities in several countries. He served on several university committees such as academic boards, university research degree committees, and curriculum review boards and held academic leadership and management positions. As head of School and senior professor, he chaired and/or served as member of recruitment and promotion committees for several academic and administrative positions.

He developed and established undergraduate and postgraduate coursework programs and taught in those programs and established professional links with universities and IT industries in Australia and overseas.

Professor Murugesan had guided and supervised PhD students and served as examiner for PhD and Masters by research theses for several universities around the world. He has given several invited seminars, keynotes and short courses on emerging topics on a range of topics in professional meetings and conferences around the world.

He is co-editor of a few books including *Encyclopedia of Cloud Computing* (Wiley, July 2016), *Harnessing Green IT: Principles and Practices* (Wiley 2012), and *Web Engineering* (Springer 2001) and editor of *Handbook of Research on Web 2.0, 3.0, and X.0: Technologies, Business, and Social*

Applications (IGI-Global 2009). He has authored or co-authored over 250 publications which include peer-refereed journal articles and conference papers, book chapters, technical essays and reports, and other journal publications. He has guest-edited over 30 special issues of journals, and presented keynotes, invited tutorials and seminars. He has been interviewed by magazines and journals on a range of topics in IT.

In 2006, the Council of the Australian Computer Society elected him to the grade of Fellow of the Australian Computer Society (ACS) in recognition of his contributions. He was also awarded the UWS Macarthur Research Award in recognition of his “significant contribution to high quality research and scholarship in Web engineering and intelligent systems.” He is also a fellow of the Institution of Electronics and Telecommunication Engineers (IETE).

He serves on editorial board of six international journals. As Editor-in-Chief of IEEE CS *IT Professional* magazine (2014-17) he has made significant contributions to the magazine and helped to attract quality articles and promote the magazine. He served on the editorial board of IEEE Computer Society’s flagship magazine *Computer* and as editor of the bi-monthly “Cloud Cover” column of *Computer*. He is a member of IEEE CS Professional Education Product Committee, and IEEE CS Professional & Educational Activities Board. He is Member, Editorial Advisory Board, IEEE *The Institute* and *Computing Now*.

He has edited several special issues of international journals on a range of topics including AI, Cloud Computing, the Internet of Things (IoT), IT in Healthcare, Green IT, Mobile and Wireless Applications, Future of Web Applications, and IT for Emerging Markets. He serves in various review and advisory committees, including member of Global Science and Technology Forum and Governing Council, ACT Higher Education Institute. He has been organizing annual symposium, IT in Practice (ITiP), as part of COMPSAC since 2015. He also serves Standing Committee member of IEEE signature conference COMPSAC. He served, and continues to serve, as member of program committee of several international conferences and workshops and as program chair and general chair of conferences. He was a member of IEEE Computer Society Cloud Computing Strategic Technology Community (STC). He was a Distinguished Visitor of IEEE CS (2014-16). He served as Vice-Chairman, IEEE Computer Society, NSW Section, Australia (1997 - 98). He is senior member of IEEE, and was a member IEEE CS Publications Board.

Professor Murugesan received Doctorate (PhD), Master of Technology and Bachelor of Engineering (Honours) degrees from Indian Institute of Science, Indian Institute of Technology Madras, and PSG College of Technology, India respectively.

Lecture Topics:

1. Social implications of social media: addressing the challenges and growing concerns while embracing its benefits
2. The rise of artificial intelligence: the rewards, risks and concerns
3. Ethics of design and development in the new technology