



Professor Nishan Canagarajah
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Summary

Nishan's research contributions in image segmentation, texture classification and content-based video compression are internationally recognised and have led to a number of invited papers and presentations. His research on audio signal processing led to an interactive exhibit, Virtual Drum, at the London Science Museum. He has also published 2 books, over 150 refereed papers, and submitted 6 patent applications. His research interests include image and video coding, multi-view video compression and synthesis, information fusion, content-based retrieval and the application of signal processing to audio and medical electronics. Nishan is currently leading a number of large projects funded by EPSRC, EC and Industry. He is a member of the EPSRC Peer Review College.

Biography

Professor Nishan Canagarajah was born in Sri Lanka in 1966. He received the BA (Hons) and Ph.D. degrees from the University of Cambridge, UK in 1989 and 1993 respectively. In 1993 he joined the University of Bristol as a Research Assistant where he worked on the design of flexible mobile communication systems. In 1994 he was appointed as a Lecturer within the same Department where he was promoted to a Senior Lecturer in 1999, a Reader in 2001, and became a Professor in 2004.

Keywords

- image and video processing
- content based indexing and retrieval of multimedia
- visual perception and modelling
- image fusion
- medical imaging
- signal separation
- audio signal processing

Memberships

Organisations

[Senior Team](#)

Research Groups

- [Visual Information Laboratory - Core](#)

Recent publications

- Kim, J-H, Mamou, J, Hill, PR, Canagarajah, N, Kouame, D, Basarab, A & Achim, A, 2017, '[Approximate Message Passing Reconstruction of Quantitative Acoustic Microscopy Images](#)'. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, vol 65., pp. 327-338

- Kim, JH, Hill, PR, Canagarajah, N, Rohrbach, D, Kouame, D, Mamou, J, Achim, A & Basarab, A, 2017, '[Compressed quantitative acoustic microscopy](#)'. in: *2017 IEEE International Ultrasonics Symposium (IUS 2017)*. Institute of Electrical and Electronics Engineers (IEEE)
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