Summary of Activities

Membership of Learned Societies

- Fellow of the Institute of Physics.
- Fellow of the Institution of Engineering and Technology (IET).
- Senior Member of the IEEE.
- *BMVA Distinguished Fellow* 2005.
- *Fellow of the IAPR* 2008.

Editorships

- Associate Editor of Pattern Recognition Letters from 1998; Area Editor from 2013.
- Associate Editor of *Real-Time Imaging* (1995–2005) and subsequently of *Real-Time Image Processing* (2006–).
- Associate Editor of *Imaging Science* (1999–2017).
- Associate Editor of IET *Image Processing* (2007–).
- Guest Editor (with M. Atiquzzaman) of Special Issue of Image and Vision Computing, **16**, nos. 9–10 (1998) on *Projection-Based Transforms*.
- Guest Editor (with H.S.S. Ip). of Special Issue on *Real-Time Visual Monitoring and Inspection*, Real-Time Imaging, **4**, 313–315 (1998).
- Guest Editor (with S. Velastin) of Special Issue of Pattern Recognition Letters, **27**, no. 15 (2006) on *Vision for Crime Detection and Prevention*.
- Associate Area Editor of Laplante, P.A. (ed.) *Comprehensive Dictionary of Electrical Engineering*, CRC Press and IEEE Press. (1999), for which Roy managed and edited over 1000 terms.
- Editor of *BMVA News*, 2001– (during which period Roy made it a much larger more impressive organ, normally containing many colour pictures).
- Editor of the *Annals of the BMVA*, 2007–2015.

Refereeing

In addition to his editing work, Roy does a substantial amount of refereeing:

- Referees typically 30 journal papers per year on Computer Vision and Pattern Recognition, and is a *regular* reviewer for the following journals: Electronics Letters, IEEE Trans. ASE, IEEE Trans. IP, IEEE Trans. PAMI, The IET Vision Journals, Image Vision Computing, Machine Vision and Applications, Measurement Science and Technology, Pattern Analysis and Applications, Pattern Recognition, Pattern Recognition Letters, Signal Processing.
- Referees typically 40 conference papers per year on Computer Vision and Pattern Recognition, and is a *regular* reviewer for the following annual/biennial conferences: AVSS, BMVC, IASTED, M^{2}VIP, VIE, VISAPP, VS, WIAMIS.
- Served as a Computer Vision expert on the UK EPSRC College of Reviewers continuously from 1996 to 2010.

BMVA and IAPR activities and awards

- **Awarded Fellowship of the IAPR 2008.**
- **Awarded *BMVA Distinguished Fellow 2005*.**
- Member of the Executive Committee of the BMVA since 1994.
- Meetings Officer of the BMVA, 1995–1998.
- Editor of *BMVA News*, 2001– (during which period Roy made it a much larger more impressive organ, normally containing many colour pictures).
- Editor of the *Annals of the BMVA*, 2007–2015.
- Member of the BMVA Annual Conference Programme Committee 1994–2016, and Area Chair at many; Session Chair at many.
- Lecturer on the BMVA Annual Computer Vision Summer School for PhD students, 2006–.
- Co-organiser of BMVA technical meeting *Colour in Vision Analysis*, 14 June 2006.

IEE/IET activities

- Member of the Executive Committee of IEE E4 *Image Processing and Vision* Professional Group, and Editor of *E4 News*, 1994–1999.
- Member of the Executive Committee of IET VIE *Visual Information Engineering* Professional Network, 2004–2008.
- Member of Organising Committee of IET Int. Conf. on *Visual Information Engineering*, Xi'an, China, 29 July – 1 August 2008.
- Co-organiser of IEE/IET technical meetings on *Non-linear Filtering* (1994), *Industrial Inspection* (1997), and *Non-Linear Signal and Image Processing* (1998).

Teaching and Examining

- Presenter at the BMVA/EPSRC Annual Summer School for PhD students, 2006–.
- Presenter of Tutorial on "Methodology for the systematic location of objects and structures in images", at IET Int. Conf. on *Visual Information Engineering*, Royal Statistical Society, London, 25–27 July 2007.
- Examiner of more than 120 PhD theses on Computer Vision and Pattern Recognition.
- Supervisor of many PhD students on Computer Vision and Pattern Recognition.
- Taught courses on Pattern Recognition, Image Processing and Computer Vision at the University of London for over 30 years.

Invited papers

For invited and other papers see Publications on Computer Vision.

Achievements

For contributions to various areas of the subject, see the discussion accompanying the Publications on Computer Vision.

Advisory expert for the Police

Advisory expert on computer vison to the FCIR (Forensic Collision Investigation and Reconstruction Ltd) – part of the Metropolitan Police Service. In particular, over the period 2012–2017 Roy gave substantive advice on video analysis in collision reconstruction – relating to the work needed to bring offenders in traffic accidents to court: the work was described in the book by Mark Crouch and Stephen Cash of the FCIR entitled *Video Analysis in Collision Reconstruction*, published in 2017 by the Metropolitan Police Service, for which Roy wrote an extensive Foreword. During this period Roy developed a special algorithm for double-checking the accuracy of FCIR triangulation measurements.

Interview for the February 2018 issue of Computer Vision News

The interview focuses particularly on the impact of deep learning networks on computer vision, and the aspects of this and other topics covered in the latest edition of Roy's book on Computer Vision (November 2017). The February 2018 issue of Computer Vision News may be found at Computer Vision News, February 2018.
The interview appears on pp. 22–25.