

# For IEEE President-Elect, 2012



## Roger D. Pollard

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Roger Pollard's professional career has been in both academia and industry. Until September 2010, he was Professor and Dean of Engineering at the University of Leeds where he had been a faculty member since 1974. Since 1981, he has also been consulting engineer at Agilent Technologies (formerly Hewlett-Packard Company), Santa Rosa, CA where he continues working on the next generation of network analyzers. He has made research contributions to high-frequency passive and active devices and is noted for work in microwave and millimeter-wave circuits, network measurements, calibration and error correction, terahertz technology and large-signal characterization.

He has authored technical contributions in books, over 150 journal articles, 3 patents and company and commercial publications. Roger was elected to the UK's national academy, the Royal Academy of Engineering, in 2005 and is an IEEE Fellow, a Chartered Engineer and Fellow of the IET (formerly the IEE).

### IEEE Accomplishments and Activities – (M'77-SM'91'F'97)

I have served in an exceptionally broad range of IEEE volunteer roles. These include Technical Activities Board (including a term as Vice-President, Technical Activities and member of the IEEE Board of Directors), Publications, Services and Products Board, Awards Board, Fellow Committee, Admissions and Advancement Committee, and the New Initiatives Committee. ([www.rogerpollard.org](http://www.rogerpollard.org) provides a full list.)

I have focussed on strategic planning and contributed to several important developments. As Chair of the TAB/PAB Electronic Products Committee I provided the leadership for the creation and launch of IEEE-Xplore, a world-class resource of technical information and now the source of a large portion of IEEE revenue. I led the development of the Publication Services and Products Board strategic plan articulating the goal for IEEE to be the world's leader in technology information, offering a vision for the continued transformation to meet the evolving needs of IEEE's members and customers.

In the UKRI Section, I have had most roles including Section Chair, Section and Region committee member, Chapter founder member, treasurer and chair and Membership Development Chair.

I served as Microwave Theory and Techniques Society President and on many of its committees including Publications\*, Membership, Transnational, Meetings, Long-Range Planning\*, Budget\*, Marketing and Publicity\*, Nominations and Appointments\* (\*=Chair). I am proud to have pioneered the MTT-S electronic information activities (including e-mail, WWW and electronic publishing including the complete digital archive of everything since the Society's 1952 foundation).

Considerable experience of conference organization include responsibility as chair, publications and technical program. On the 1996 IEEE MTT-S International Microwave Symposium Steering Committee, I created the conference's first publication of the Digest on CD-ROM and have subsequently served as Technical Program Chair, 2006 IEEE MTT-S International Microwave Symposium, (approx 1,000 submitted papers, 45 workshops, 10,000 attendees) as well as Co-Chair and Treasurer, 2006 European Microwave Week.

### Statement

IEEE has been an important part of my 40-year career in academia and industry. Wishing to give back to the profession that has given me so much, as President, I would strive to maintain and grow the organization whose strengths are in its technical and regional diversity, highly committed volunteers and staff, and the international scope and reputation of its products and services. IEEE is its members' technical and geographic home and provides resources at all stages of their careers. Fulfilling IEEE's mission requires that its members are successful and the technologies they create benefit society at large. Key elements that must be nurtured and sustained are:

- Recognizing IEEE as a global set of diverse, decentralized communities.
- Responsive to new and emerging technologies through support of conferences with rapid communication of information, conducive to networking and community building.
- An infrastructure that is efficient, effective, coherent, flexible, responsive, affordable and consistent.
- Development of IEEE's vast database of technical articles into world-class tools providing an indispensable research resource.
- Delivering more value for membership including a choice of additional loyalty and service benefits.

My technical and leadership skills in university and industry and my breadth of IEEE volunteer experience in technical, regional, publications and conference activities equip me to work effectively with members, volunteers, staff and external organizations. Please support my belief that we need open communication, consensus building, imaginative problem solving and efficient use of resources. We all need an IEEE that does not just satisfy present needs but realizes the vision that IEEE be recognized as the truly global association for technical professionals.

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