Gordon W. Day
Candidate for IEEE President-Elect

Gordon Day spent most of his career in research and management at the National Institute of Standards and Technology, where he founded and led the NIST Optoelectronics Division. His personal research ranged from fundamental optical measurements to the development of standards for optical fiber and new concepts in instrumentation. More recently, he served as science advisor to Sen. Jay Rockefeller and Director of Government Relations for the Optoelectronics Industry Development Association. He has been a Professor Adjoint at the University of Colorado and a Visiting Fellow at the University of Southampton (UK), and has served on many industry, government, and academic advisory groups. He is a past President of the IEEE Photonics Society and of IEEE-USA, and is a Fellow of IEEE, AAAS, the Optical Society of America, and the Institute of Physics (UK). He received B.S., M.S., and Ph.D. degrees in electrical engineering from the University of Illinois.

STATEMENT:

I wholeheartedly endorse IEEE's new motto, "Advancing Technology for Humanity," as a vision for our future. To fulfill it, I believe that we must become a stronger, more global, and more assertive society.

We advance technology through the professional contributions of our members, volunteers, and customers. We must support them vigorously, in ways that meet their local needs. We must continuously enhance our technical resources – publications, conferences, and standards – adapting and expanding them quickly to support emerging technologies and exploring new strategies for delivery. We must expand our career-building resources, especially in times like these, and adjust them to local needs and cultures. We must increase access to continuing education. And as more technologists become contractors, consultants, and entrepreneurs, we must better understand their needs and develop appropriate resources to support them.

Our opportunities are global. Leading-edge technology is created globally, technologists are globally dispersed, and many of our employers are globally integrated. To achieve our vision, we must embrace this global diversity and meet the needs of technologists everywhere. We should pursue international partnerships and expand our global presence, among other strategies.

We also have a responsibility, as the world's largest and broadest community of applied technologists, to explain clearly and assertively how "advancing technology…" leads to a better quality of life and greater prosperity. It is an important message for the public, for governments, and for the next generation of potential technologists.

I hope you share these views and I ask for your vote for President-Elect.

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IEEE
Advancing Technology for Humanity

IEEE ACTIVITIES (S'66-M'67-SM'78-F'94)

COMMITTEES/BOARDS: IEEE Board of Directors, 2009; President, IEEE-USA, 2009; IEEE Strategic Planning Committee, 2008; IEEE New Initiatives Committee, 2008-2009; IEEE Public Visibility Committee, 2009-2010; TAB Finance Committee, Member, 2004-06; RAB/TAB Section/Chapter Support Committee, Member, 2003-04; IEEE Membership Development Committee, Member, 2002; TAB Representative to RAB, 2002-03; Technical Activities Board, Member, 2000.

SOCIETY: Lasers & Electro-Optics/Photonics Society: Sr. Past President, 2002; Jr. Past President, 2001; President, 2000; President-Elect, 1999; Nominations Committee, Chair, 2001; Long Range Planning, Chair, 2001; Secretary/Treasurer, 1995-96; Vice President for Finance & Administration, 1997-99; Board of Governors, Elected Member, 1995-97; Fellows Committee: Member, 1996, Chair, 2002-04; IEEE/OSA *Journal of Lightwave Technology*: Associate Editor, 1993-97; Guest Editor, 1995.

COUNCIL: Sensors Council: Administrative Committee Member, 1999-2003.

CONFERENCES: Optical Fiber Communications Conference, Steering Committee, 1997-2002; Optical Fiber Sensors Conference: Program Committee, 1989-96; International Steering Committee, 1992-99; General Chair, 1997; Symposium on Optical Fiber Measurements: General Chair, 2000-04; Program Chair, 1980-98.

REPRESENTATIVES: Photonics Society Rep. to Nanotechnology Committee, 2000-01; Photonics Society Rep. to Coalition for Photonics and Optics, 1998-2001; Member (representing IEEE-USA), Board of Directors of the American Association of Engineering Societies, 2009. IEEE-USA Liaison to/from IEEE Educational Activities Board

OTHER: IEEE-USA Congressional Fellow, 2005.

IEEE ACCOMPLISHMENTS:

As *President of the IEEE Photonics Society (LEOS)*, I emphasized membership growth and international development. I presided over the largest annual membership increase of any Society at that time (17%), with non-U.S. membership reaching 49%. The LEOS Annual Meeting (about 600 attendees) and one of three annual Board of Governors meetings were held off-shore for the first time. Society reserves reached a record of nearly $6M.

As a member of the *Technical Activities Board Finance Committee*, I designed and helped write the first online TAB Finance Manual.

During my six-year tenure as a member of the *Management Committee for the Optical Fiber Communications Conference*, the conference contributed a net income of over $17M to the IEEE, and had a peak registration of over 37,000.

As an *IEEE-USA Congressional Fellow*, I advised Senator Jay Rockefeller, developing consensus on science issues, and preparing legislative proposals on homeland security, science funding, and science education.

As *President of IEEE-USA*, I led an expansion of our career-building resources for members, an expansion of our public policy activities, particularly in energy and communications, and greater efforts in public relations. With MGA, I initiated a new project aimed at expanding professional activities in Regions 7-10.