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## The President's Perspective

I trust you will enjoy the new look of the *IEEE Foundation Focus*. Notice that the graphic elements used in the new design of this issue are the IEEE Founders Medal and the IEEE Medal of Honor. Both are prestigious awards sponsored by the IEEE Foundation presented to deserving honorees at the IEEE Annual Honors Ceremonies. This year's Honors Ceremony, *Innovating to Meet the World's Challenges*, was held during Sections Congress. See more about these events on pages 2 and 3. This issue also features articles about the humanitarian efforts supported by the IEEE Foundation.

Cultivating the relationships and resources that assist IEEE in fostering technological innovation and excellence for the benefit of humanity—this is the role of the IEEE Foundation. Recently, we have linked IEEE with foundations and corporations that are interested in using technology to improve life and positively impact the world we live in. The response by many members to this humanitarian challenge, particularly students and our GOLD members (Graduates of the Last Decade), is exceptional and extends the traditional outreach activities in our grants, awards, and history programs. IEEE and Engineers without Borders USA (EWB-USA) co-organized the 2008 Humanitarian Workshop in Boston. See the related article on page 4. There is a growing need for additional funding to support the enthusiastic interest in applying the technologies of the many IEEE fields of interest to make a difference in the future of people across the world.

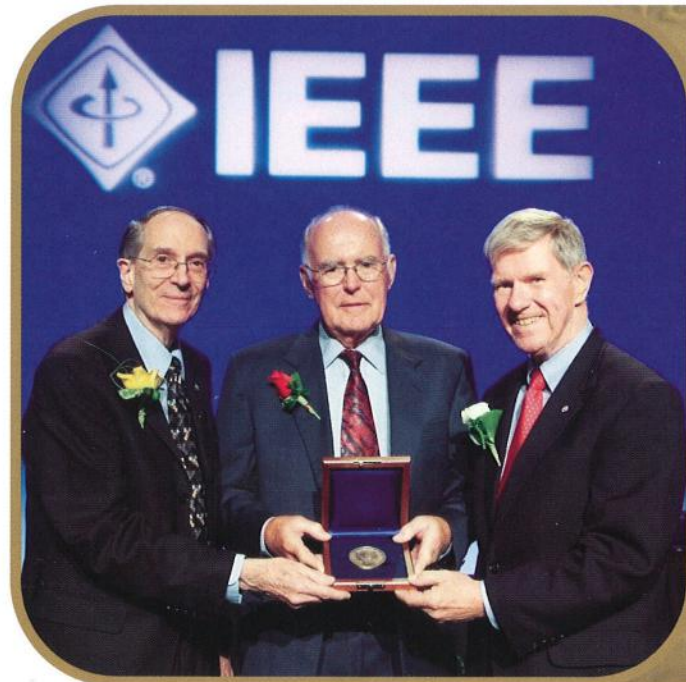
The IEEE Foundation General Fund supports a cross-section of programs that foster technological innovation and excellence for the benefit of humanity. More than US \$270,000 was awarded to 13 new project grants by the IEEE Foundation thus far in 2008. These grants support initiatives like The Solar Bug Tug project highlighted on page 5, which prepares students to become engineers and scientists. The grants also help develop museum exhibits featuring science and technology, help students in Turkey prepare a program for student members around the world to better utilize internship opportunities, and explore ways to increase public support for alternate sources of energy. To see the full list of grants awarded in 2008, please visit the "Grants Awarded in 2008" page on the IEEE Foundation Web site, [www.ieeefoundation.org](http://www.ieeefoundation.org). The generous support made possible through donations from IEEE members, corporations and others enabled us to fund these and other deserving programs.

I hope you find that the IEEE Foundation supports what you find important. You can help us continue to support worthy projects in the upcoming years with a donation to the General Fund of the IEEE Foundation.

Thanking you in advance,



Richard J. Gowen  
2008 President, IEEE Foundation



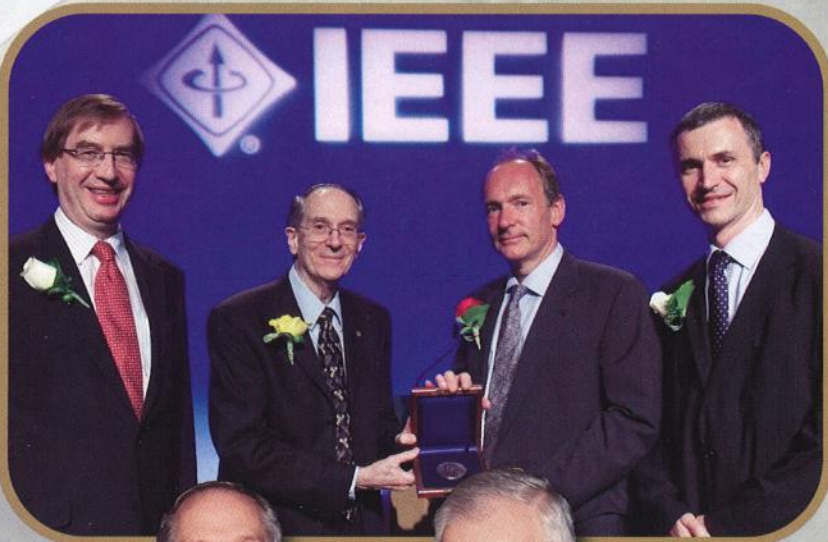
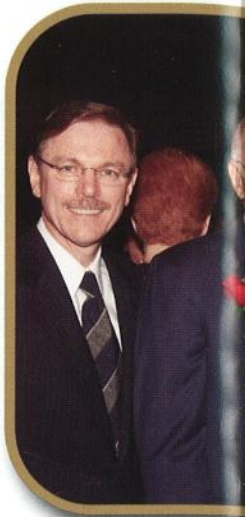
IEEE President **Lewis M. Terman** (left) and IEEE Foundation President **Richard J. Gowen** (right) proudly present **Gordon E. Moore** with the 2008 IEEE Medal of Honor, sponsored by the IEEE Foundation. Moore received the Medal for pioneering technical roles in integrated-circuit processing, and leadership in the development of MOS memory, the microprocessor computer, and the semiconductor industry.



# 2008 IEEE Honors Ceremony – Innovating to

Saturday evening's IEEE Honors Ceremony was the best-attended Honors Ceremony in history. IEEE President Lewis M. Terman presented 22 awards, including the IEEE Medal of Honor, to Gordon E. Moore, co-founder and chairman of the board emeritus, of Intel Corporation. For more information about the recipients and the work for which they were awarded honors, please visit [www.ieee.org/web/membership/IEEEtv/about.html](http://www.ieee.org/web/membership/IEEEtv/about.html) where you can watch the entire ceremony.

The IEEE Foundation and IEEE's Awards and Corporate Administration group hosted more than 1,300 guests. Approximately 150 staff members supported the event in some capacity, both on site and during preparation at the Operations Center in New Jersey.



**Lewis M. Terman** (second from left) presents **Timothy Berners-Lee** with the James Clerk Maxwell Award for conceiving and further developing the World Wide Web. They are flanked by **William Duncan** (left) from the Royal Society of Edinburgh and **Jean-Louis Cois** (right) from award sponsor Wolfson Microelectronics, plc.

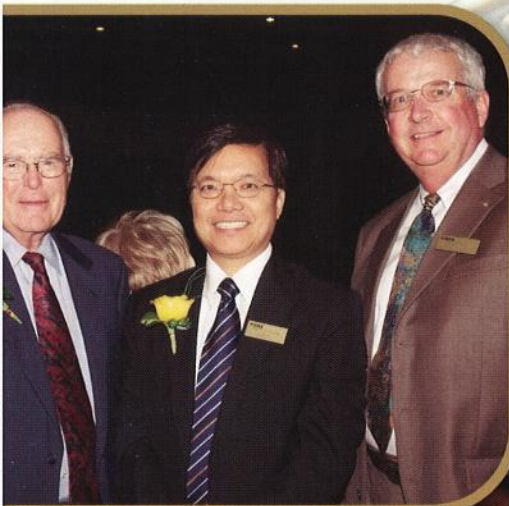


**Bobbie Terman, Lewis M. Terman, and John Vig**, IEEE President-elect (standing left to right) were present as **Gordon E. Moore** (seated center) graciously greeted Honors Ceremony dinner guests and provided autographs to fans who waited in a receiving line to meet him for more than an hour.



**James T. (Tom) Cain**, Professor of Electrical and Computer Penn, USA (left) received the IEEE Richard M. Emberson Award for his contributions to IEEE Institute's publications and for the advancement of electric engineering curricula. This IEEE Life Fellow and former IEEE President is flanked by **Matthew L. Gowen**, IEEE Foundation President (center) and **Matthew L.**

# Meet the World's Challenges



Pictured here from the left are **Ian A. Young**, Senior Fellow, Intel Corp. and IEEE Fellow, **Gordon E. Moore**, IEEE Life Fellow, **Paul Y.S. Cheung**, IEEE Awards Board Chair, and **David A. Hodges**, IEEE Awards Board Vice-chair taking a moment to pose for a picture after the Honors Ceremony.



The front row of the Honors Ceremony was filled with distinguished guests—the awards recipients. Some of the recipients, from the left, are: **Yaakov Bar-Shalom**, who received the IEEE Dennis J. Picard Medal for Radar Technologies and Applications sponsored by Raytheon Company; **Chrysostomos L. (Max) Nikias**, who received the IEEE Simon Ramo Medal sponsored by Northrop Grumman Corporation; **Leslie Lamport**, who received the IEEE John Von Neumann Medal sponsored by IBM Corporation; **Maurice Papo**, who received the IEEE Haraden Pratt Award, sponsored by the IEEE Foundation; and **James T. (Tom) Cain**, who received the IEEE Richard M. Emberson Award sponsored by the IEEE Technical Activities Board.



Engineering, University of Pittsburgh, award for his contribution to the field of electrical and computer engineering in the region poses with **Richard J. [Name]**, IEEE Staff Director.

## Foundation Builds Support at Sections Congress 2008

The IEEE Member and Geographic Activities (MGA) Board partnered with Region 7 and the Quebec Section to host Sections Congress 2008 in Quebec City, Quebec, Canada, from 19-22 September. The best attended Sections Congress ever boasted 1,072 attendees from 89 countries representing 293 Sections.

Held every three years, IEEE Sections Congress unites the IEEE's grass roots volunteer leaders for training, networking, strategic planning and developing solutions to advance the future of the global IEEE. The Congress provides a forum for the Section Chairs to speak as the collective voice of IEEE and to share and discuss views for change. On-site activities included program management, registration, exhibits and speakers. The IEEE Foundation was among the 40 exhibitors at the event.

Thanks to the generosity of our donors who understand the importance of unrestricted giving, the IEEE Foundation General Fund supported IEEE Sections Congress 2008 with an US \$18,000 grant to the IEEE Member and Geographic Activities Board. This grant supports the "Core Training" sessions for the event including the production and distribution of the core training materials to the delegates.



Conference attendee **Albert G. Engelhardt** (left) is a Regional Life Member Coordinator for the IEEE Life Members Committee, Section Delegate for Region 6, Los Alamos/Northern New Mexico. He stopped by the IEEE Foundation booth at Sections Congress 2008 to discuss setting up a new charitable fund for his Section and creating an IEEE History Center Milestone. **Michael Deering** (center), Major Gifts Officer for the IEEE Foundation and **Carrie Loh**, Senior Administrator, IEEE Annual Election gave Dr. Engelhardt the information he needed.