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MICROELECTRONICS PIONEER JAMES D. MEINDL TO RECEIVE 2006 IEEE MEDAL OF HONOR

**IEEE Also Honors 16 Other Technology Professionals Including
Co-Founder of Pixar Animation Studios and ATM Machine Inventor**

PISCATAWAY, NJ, June 20, 2006 – James D. Meindl, Director and Pettit Chair Professor of the Joseph M. Pettit Microelectronic Research Center at Georgia Institute of Technology in Atlanta, has been named recipient of one of technology's most prestigious accolades – the 2006 IEEE Medal of Honor. His pioneering contributions to microelectronics transformed medical research, improved portable military devices and resulted in the creation of a portable electronic reading aid for the blind.

Meindl is receiving the award for “pioneering contributions to microelectronics, including low power, biomedical, physical limits and on-chip interconnect networks.” As a result of Meindl's work, doctors now have the ability to utilize of micro-sized implantable instruments to help diagnose medical conditions.

During his career as a scientist, educator and high-level technology executive, Meindl also has supervised more than 80 Ph.D. graduates who went on to have profound impacts on the semiconductor industry. He was the founding director of the Center for Integrated Systems and Stanford and was the former senior vice president for academic affairs and provost of Rensselaer Polytechnic Institute in Troy, NY.

The IEEE Medal of Honor, sponsored by the IEEE Foundation, will be presented at the annual IEEE Honors Ceremony on 24 June in Minneapolis, Minn., USA.

This year's group of 16 IEEE medal recipients and one corporate recognition has laid the foundation for technologies and applications considered commonplace today. As a result of their achievements, movie fans of all ages can enjoy 3-D computer animated feature films, consumers can experience the convenience of making bank transactions through an ATM machine and computer users benefit from the convenience of spell-checking computer applications.

These and the other recipients will be recognized at the event for their contributions to technology, their profession and the IEEE.

The full list of 2006 IEEE Medal Recipients appears below:

Dr. Edwin Catmull (IEEE Member), President, Pixar and Disney Animation Studios, Emeryville, Calif. – **IEEE John von Neumann Medal** – sponsored by IBM Corporation, “for fundamental contributions to computer graphics, and a pioneering role in the use of computer animation in motion pictures.”

Mr. Donald C. Wetzel, Retired, Co-Founder, Chairman and Sales Manager, Electronic Signature Verification Systems, Dallas, Texas – **IEEE Simon Ramo Medal** – sponsored by Northrop Grumman Corporation, “for conceiving, implementing, and promoting the Automatic Teller Machine (ATM).”

Dr. Vladimir I. Levenshtein (F'IEEE), Leading Scientific Researcher, Keldysh Institute for Applied Mathematics, Moscow, Russia – **IEEE Richard W. Hamming Medal** – sponsored by QUALCOMM Inc., “for contributions to the theory of error-correcting codes and information theory, including the Levenshtein distance.”

ARM Limited, Cambridge, England – an **IEEE Corporate Innovation Recognition** – “for creating the ARM microprocessor technology that has been successfully embedded into a broad spectrum of today's digital consumer electronic products.”

Mr. Shoichiro Yoshida, Chairman of the Board and CEO, Nikon Corporation, Tokyo, Japan – **IEEE Robert N. Noyce Medal** – sponsored by Intel Foundation, “for contributions to, and leadership in, the technology and business development of IC lithography.”

Mr. John M. Wozencraft, (LF'IEEE), Professor Emeritus, Electrical Engineering and Computer Science, MIT, Cambridge, Mass. – **IEEE Alexander Graham Bell Medal** – sponsored by Lucent Technologies, “for the development of sequential decoding and the signal space approach to digital communication.”

Professor Fawwaz T. Ulaby (F'IEEE), Vice President for Research and Williams Professor of Electrical Engineering and Computer Science, University of Michigan, Ann Arbor, Mich. – **IEEE Edison Medal** – “for pioneering research in microwave and radar remote sensing technology and their environmental and industrial applications.”

Professor Sanjit K. Mitra (LF'IEEE), Professor of Electrical and Computer Engineering, University of California, Santa Barbara, Calif. – **IEEE James H. Mulligan, Jr. Education Medal** – sponsored by The Mathworks, Inc., Pearson Prentice Hall, National Instruments Foundation and Xilinx, Inc., “for outstanding contributions to electrical engineering education through pioneering textbooks, innovative laboratory development, and curriculum reform.”

Dr. Toshiharu Aoki (F'IEEE), Counselor and Senior Vice President, NTT Data Corporation, Tokyo, Japan, – **IEEE Founders Medal** – sponsored by The IEEE Foundation, “for outstanding visionary leadership in global standardization and commercialization of broadband multi-media networks.”

Dr. Thomas Kailath (LF'IEEE), Hitachi America Professor of Engineering, Emeritus, Department of Electrical Engineering, Stanford University, Stanford, Calif. – **IEEE Jack S. Kilby Signal Processing Medal** – sponsored by Texas Instruments, Inc., “for seminal contributions to the theory and applications of statistical signal processing.”

Dr. Mitsumasa Koyanagi (F'IEEE), Professor, Department of Bioengineering and Robotics, Tohoku University, Sendai, Japan; **Dr. Kiyoo Itoh (F'IEEE)**, Fellow, Hitachi, Ltd., Tokyo, Japan; **Dr. Hideo Sunami (F'IEEE)**, Professor, Research Center for Nanodevices and Systems, Hiroshima University, Hiroshima, Japan – **IEEE Jun-ichi Nishizawa Medal** – sponsored by The Federation of Electric Power Companies, Japan and Semiconductor Research Foundation, “for pioneering contributions to dynamic random access memory (DRAM) cell structures and architecture.”

Dr. Eli Brookner (LF'IEEE), Principle Engineering Fellow, Raytheon Corporation, Sudbury, Mass. – **IEEE Dennis J. Picard Medal for Radar Technologies and Applications** – sponsored by Raytheon Company, “for pioneering contributions to phased array radar system designs, to radar signal processing designs, and to continuing education programs for radar engineers.”

Dr. Donald M. Bolle (LF'IEEE), Professor Emeritus, Lehigh University, Bethlehem, PA and Provost Emeritus, Polytechnic University, New York, NY – **IEEE Richard M. Emberson Award**, sponsored by the IEEE Technical Activities Board “for a distinguished career of Institute leadership in the technical and transnational areas.”

Mr. Antonio C. Bastos (SM'IEEE), Assistant for Planning and Academic Management, Faculdade de Tecnologia e Ciencias, Salvador, Bahia, Brazil – **IEEE Haraden Pratt Award** – “for leadership and distinguished service in sustaining and extending IEEE’s global recognition.”

Dr. Vladimir Rokhlin, Professor of Computer Science and Mathematics, Yale University, New Haven, CT – **IEEE Honorary Membership** – sponsored by IEEE, “for the development of the Fast Multipole Method.”

About IEEE

IEEE is the world's largest technical professional society. Through its 365,000 members in 150 countries, the society is a leading authority on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Dedicated to the advancement of technology, the IEEE publishes 30 percent of the world's literature in the electrical and electronics engineering and computer science fields, and has developed more than 900 active industry standards. The organization also sponsors or cosponsors more than 300 international technical conferences each year.

*F'IEEE= IEEE Fellow

*LF'IEEE= IEEE Life Fellow

*SM'IEEE= IEEE Senior Member

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