

# IEEE power engineering REVIEW

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## Winter Meeting



**Abdel-Aziz A. Fouad**  
*1994 IEEE Herman Halperin  
Electric T&D Award*



**Clayton H. Griffin**  
*1994 IEEE Charles Proteus  
Steinmetz Award*



**Carl Flick**  
*1994 IEEE Nikola Tesla Award*



**Alexander V. Mamishev**  
*1993 PES Student  
Paper Award*



**S. Harold Gold**  
*1994 PES Meritorious  
Service Award*

## Awards

He is a Fellow of the IEEE and ISA, and a member of the National Academy of Engineering, a registered professional engineer in New York, and a member of CIGRE. He has authored over 70 technical papers and served as a lecturer for the General Electric Power Systems Engineering Course and PTI's Power Technology Course.

**Tom Dy Liacco** graduated with BSEE and BSME degrees from the University of the Philippines. His first job with General Electric was interrupted by World War II. When Manila was liberated in 1945, he worked for the U.S. Armed Forces as a civilian engineer responsible for military installations. He headed distribution design for Taiwan Power Company, and in 1949 returned as chief engineer of the local utility company.

In 1953, he became a teaching assistant at Illinois Institute of Technology, where he obtained his MS in 1955. He spent the next 25 years with Cleveland Electric Illuminating Company, working on protective relaying, system planning, system operation, and control.

In 1966, he wrote the IEEE prize-winning paper "The Adaptive Reliability Control System," which established basic concepts of system security and control.

In 1968, Tom obtained a PhD in Systems Engineering from Case Western Reserve University. By 1980, he became a full-time consultant and has been involved with 40 projects in 20 countries.

Tom is a member of Sigma Xi, Eta Kappa Nu, and Sigma Pi Sigma, and ISA, and is a Life Fellow of IEEE. He is a U.S. expert on CIGRE SC 39. He has organized conferences on power system operation in Brazil, Italy, China, Korea, and Austria. He has published more than 40 papers.



*Dr. Vladimir Brandwajn received his IEEE Fellow certificate "for developments in sparse matrix/sparse vectors methods for power system analysis."*



*John H. Brunke received his IEEE Fellow certificate "for contributions to the development and application of advanced high-voltage circuit breaker technology."*



*Charles F. Clark received his IEEE Fellow certificate "for leadership in developing cooperative utility planning in the Western U.S. transmission system."*



*Murray W. Davis received his IEEE Fellow certificate "for contributions to a thermal rating system leading to increased capacity of overhead transmission lines and power equipment."*

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## 1994 IEEE Fellows

Congratulations were extended to the power engineers who were recently elected to the grade of Fellow of the IEEE. Donald Bolle and Hans Weinrich, representing IEEE and PES respectively, presented the Fellow certificates.

Of the forty-seven new IEEE PES Fellows, thirty-one chose to receive their Fellow certificates at the PES Winter Meeting Awards Luncheon (names shown in bold): **Bajarang L. Agrawal**, Charles K. Alexander, Jr., **Vladimir Brandwajn**, **John H. Brunke**, **Charles F. Clark**, John R. Cooper, James M. Daly, **Murray W. Davis**, **Charles J. Durkin, Jr.**, **Ahmed M. El-Serafi**, **Raymond D. Findlay**, **Robert Fischl**, Tadashi Fukao, **Ruben D. Garzon**, **Elias Ghannoum**, **Anthony T. Giuliante**, **Masuo Goto**, Andreas Kelen, Koji Kikuchi, Yukio Kito, Walter R. Lachs, J. Douglas Lavers, **Khai Dang Le**, **Chen-Ching Liu**, **Yakout Mansour**, **Robert J. Marks, II**, Ralph D. Masiello, **Martin Misakian**, **Thomas W. Nehl**, Joseph C. Osterhout, **Alberto Pignini**, **Dusan Povh**, **Ramachandra Ramakumar**, **Konrad Reichert**, **Sheppard J. Salon**, **Mulukutla S. Sarma**, **A. Mayer Sasson**, **Chia H. Shih**, Farrokh Shokooh, Robert L. Sullivan, Toshio Suzuki, **Sarosh N. Talukdar**, **Baldev Thapar**, **Robert J. Thomas**, Ping-Yang Wang, **Thomas L. Weaver**, Asser A. Zaky.



*Dr. Bajarang L. Agrawal received his IEEE Fellow certificate "for contributions to the identification, measurement, and control of subsynchronous resonance in power systems."*



*Charles J. Durkin, Jr. received his IEEE Fellow certificate "for technical leadership in improving the reliability of large complex electric power systems."*



*Professor Ahmed M. El-Serafi received his IEEE Fellow certificate "for contributions to the understanding of the cross-magnetizing effect in synchronous machines."*



*Anthony T. Giuliani received his IEEE Fellow certificate "for contributions to protective relaying education and their analysis in operational environments."*



*Professor Raymond D. Findlay received his IEEE Fellow certificate "for contributions to analysis and measurement of electrical machine characteristics."*



*Dr. Masuo Goto received his IEEE Fellow certificate "for contributions to the development of power system stability technologies."*



*Dr. Robert Fischl received his IEEE Fellow certificate "for contributions to the design and understanding of power systems."*



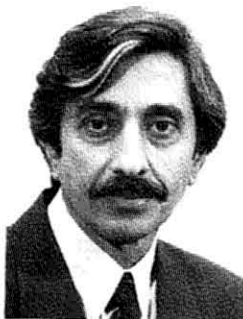
*Khai Dang Le received his IEEE Fellow certificate "for development and implementation of large-scale resource-scheduling software for electric utilities."*



*Ruben D. Garzon received his IEEE Fellow certificate "for contributions to the advancement of interruption technology."*



*Professor Chen-Ching Liu received his IEEE Fellow certificate "for contributions to development of knowledge-based systems for power system applications."*



*Elias Ghannoum received his IEEE Fellow certificate "for contributions to the reliability-based design and leadership in international standardization of transmission line design."*



*Yakout Mansour received his IEEE Fellow certificate "for contributions to the understanding of voltage stability in large power system networks."*



*Professor Robert J. Marks, II received his IEEE Fellow certificate "for leadership in and contributions to the field of neural networks."*



*Professor Ramachandra Ramakumar received his IEEE Fellow certificate "for contributions to renewable energy systems and leadership in power engineering education."*



*Dr. Martin Misakian received his IEEE Fellow certificate "for contributions to instrumentation and measurement techniques for low-frequency electric and magnetic fields."*



*Dr. Konrad Reichert received his IEEE Fellow certificate "for contributions to the analysis of electromagnetic fields and planning and operation of power systems by means of numerical methods."*



*Dr. Thomas W. Nehl received his IEEE Fellow certificate "for contributions to digital network modeling and development of electronically operated permanent magnet machine systems and drives."*



*Professor Sheppard J. Salon received his IEEE Fellow certificate "for contributions to the development of numerical methods and computer software for analyzing electric machine design and performance."*



*Dr. Alberto Pignini received his IEEE Fellow certificate "for leadership in high-voltage research with special reference to external insulation, diagnosis, and testing of power apparatus."*



*Professor Mulukutla S. Sarma received his IEEE Fellow certificate "for contributions to electric power engineering education and to research in electric machine and magnetic system design."*



*Dr. Dusan Povh received his IEEE Fellow certificate "for contributions to the analysis of ac and dc systems and control of high-voltage dc converters."*



*Dr. A. Mayer Sasson received his IEEE Fellow certificate "for contributions to power systems analysis and real-time monitoring, and for the advancement of open systems concepts applied to control centers."*



*Dr. Chia H. Shih received his IEEE Fellow certificate "for contributions to the development of surge arresters on transmission lines."*



*Professor Sarosh N. Talukdar received his IEEE Fellow certificate "for applications of artificial intelligence and numerical methods to power system analysis."*



*Professor Baldev Thapar received his IEEE Fellow certificate "for contributions to the design and analysis of power system grounding."*



*Professor Robert J. Thomas received his IEEE Fellow certificate "for leadership in power systems engineering education and research, and for contributions to the analysis and control of power systems."*



*Thomas L. Weaver received his IEEE Fellow certificate "for leadership in advanced planning, design, and application of new technologies to enhance the efficiency and reliability of electric power delivery systems."*

## 1995 IEEE Fellow Selection

### *Call for Nominations*

**Deadline:** April 15, 1994

**Chairman:** M.P. Bhavaraju,  
IEEE PES Fellow Committee

The IEEE and PES issue a call for nominations to the grade of Fellow. Please accept this challenge to identify and nominate those who you feel are deserving of the evaluation to the grade of Fellow of the IEEE.

The membership grade of Fellow is conferred only by invitation of the IEEE Board of Directors. To be considered, each person must be nominated by peers. By your nomination of an individual, you make it possible for the IEEE to identify those who are most deserving of this recognition and honor. Persons to be considered are those outstanding individuals who have demonstrated exceptional performance in the fields of electrical, electronic engineering, and software engineering. The person must be an IEEE member in any grade for 5 years and hold Senior Member Grade at the time of nomination.

Almost anyone can be a nominator with the following exceptions: a Member of the IEEE Board of Directors; the Fellow Committee; the Society Evaluating Committee; a Regional Committee; or IEEE staff. A nominator should obtain the forms and information by contacting IEEE Headquarters and asking for the Fellow Nomination Packet. To obtain this information, contact the IEEE Fellow Committee at IEEE Fellow Program/Corporate Activities, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, (908) 562-3843, FAX (908) 981-9515.

Nominators are responsible for obtaining detailed information about the candidate's education, work history, and other accomplishments. In presenting the candidate's work accomplishments, it is important that the nominator stress those achievements that demonstrate that the candidate has outstanding qualities that would cause him or her to be recognized as a Fellow. It is traditional to complete the nomination without the knowledge of the candidate.

The Board of Directors emphasizes that election to the grade of Fellow is a recognition of the excellence among its members in the advancement of theory and the practice of electrical and electronic engineering.

The Board and the Fellow Committee desire to enhance the recognition accorded to the electrical engineering practitioner for outstanding technical contributions. Unlike those whose achievements are well documented by publications, some practitioners because of constraints imposed by their employer or due to the confidential nature of their work were unable to make their achievements in the advancement of the electrical and electronic engineering broadly known. The Board and the Fellow Committee desire to accord more recognition of the practitioner. This, obviously, places more of a burden upon the nominator to detail those significant contributions of the candidate which qualify him or her for the grade of Fellow. Nominators should provide as much information as possible on the person's *unique, individual* technical achievements.