

## POSITION STATEMENTS from the CANDIDATES for 2005 IEEE PRESIDENT-ELECT and IEEE REGION 6 DIRECTOR-ELECT

### CANDIDATES FOR 2005 IEEE President-Elect

#### Position Statement by **JAMES M. TIEN, Ph.D., NAE**

I accept the nomination of candidacy for the 2005 IEEE President-Elect position with great honor and humility. I have the global vision (i.e., IEEE should be "The Global Resource of Choice" for scientific, educational and professional products and services) and the necessary **qualifications** to address the unprecedented **challenges** currently confronting our members and our profession - we can address them through creative and collaborative actions.

##### **Qualifications.** *I am*

- **culturally sensitive** [Regions 1, 9 & 10],
- **technically engaged** [4 Societies],
- **professionally involved** [4 of IEEE's 7 Major Boards], and
- active in both **industry** and **academia**,

*and I possess*

- **strong background** [RPI/MIT degrees],
- **demonstrated leadership** [IEEE VP, PSPB & EAB; Corporate VP; Chair of 2 departments; twice Dean of Engineering], and
- **demonstrated excellence** [several IEEE and related awards, including election to **U.S. National Academy of Engineering**].

##### **Challenges.** Since 2000, the IEEE-related industries have been economically challenged.

As a learned society, we must overcome these and related challenges, including

- maintaining our **distinctive advantage** of excellence;
- enhancing our **member services**; and
- bridging to industry with **attractive offerings**.

##### **Actions.** To be the **global resource of choice**, we should, as examples,

- offer a cafeteria of benefits and allow members to **annually self-customize** their benefits;
- **strategize globally** while allowing our regional and technical units to **act locally** in support of their members' careers; and
- bridge to industry with an attractive **Xplore-Enabled Learning Library** of our best short courses.

**TOGETHER, WE CAN ADVANCE IEEE'S GLOBAL VALUE**

#### **LEVENT ONURAL** Position Statement

The mission of the IEEE Oregon Section starts by saying, "identify the needs of our fellow IEEE members", and then ends with words "...cultivate our members, improve our community and further the development of technology". Of course, this mission fits well to IEEE mission statement. And I am very happy to see a perfect match with my election statement and these mission statements:

"Members First" - I will lead IEEE by focusing on the members' interests first and foremost. I have a proven record of decision-making and taking action during my years of service to the IEEE and its Societies and committees.

##### **Past Board activities include:**

- Support in implementing a balanced budget policy;
- Support in development of sound investment policies;
- Support in establishing procedures for providing effective member feedback on IEEE actions;
- Insisting that IEEE retains its highly ethical status while dealing with the restricted countries issue;
- Support in initiation of Xplore; and
- Activities to provide stronger support to Sections, Societies, Student Activities, and Standards.

##### **Key issues that I will pursue:**

- Offering more opportunities for members to get involved in IEEE activities;
- Improving Institute efficiencies to make IEEE membership an affordable asset;
- Enhancing the quality of IEEE services;
- Unburdening the operations of Societies;
- Increasing the effectiveness of IEEE as governments revise their science, technology and technical education policies;
- Empowering local IEEE units; and
- Seeking wider global publicity for IEEE.

Having established successful working relationships with IEEE volunteers world-wide, knowing the diverse global environment we operate in, and having the full support of my family, employer and colleagues, I am dedicated and motivated to lead IEEE.

Please visit <http://www.ec.bilkent.edu.tr/~onural//PresidentElect2005/index.html> for more information. I have always valued the support I have received from members: we have always worked together. I thank YOU all and look forward to the opportunity to serve you.

#### Position Statement by **MICHAEL LIGHTNER (S'71-M'78-SM'90-F'98)**

Visit <http://ece.colorado.edu/~lightner/IEEE/>

The strength of IEEE lies in its diversity, incredible volunteers and staff, global membership, and the international reach of its products and services.

My goal is to take the tremendous organization that the IEEE is, and together with volunteers, members and staff, develop appropriate responses to current and future challenges so that the IEEE remains the integrating thread of our professional lives for generations to come.

To accomplish this goal I am proposing five initial actions:

1. Reduce the current membership dues and introduce a menu of member service and benefit options.
2. Introduce a new membership category of Distinguished Member for outstanding contributions to the IEEE.
3. Increase the range of technical areas explicitly supported by the IEEE and IEEE societies.
4. Develop an initiative process that allows Societies to access their reserves for innovative projects.
5. Develop the research tool of choice for the technical professionals in our fields.

### CANDIDATES FOR IEEE Region 6 Director-Elect

#### **S. K. RAMESH** Position Statement

My fellow IEEE members in the Oregon Section

I am honored that you have selected me as a nominee for the IEEE Region 6 Director-Elect position. I would like to thank Ed Perkins and the Oregon Section for the opportunity to share my thoughts with you. Region 6 is an important constituent of the IEEE and is vital to the success of our organization.

I think we all recognize the importance of membership development to the future of our organization. It is absolutely essential to actively recruit, nurture and sustain our members as they progress through their professional lives and careers. We retain members by providing value for their membership with our Section and local activities, publications, and by providing them with the opportunity to network with other professionals. As your Director Elect I will work hard to showcase the "niche" that IEEE enjoys to attract and retain our members.

Given the strong role played by IEEE members in developing the technologies of the future, it is especially vital that they stay at the cutting edge and dedicate themselves to life-long learning. Corporate support of members' IEEE activities is not only important for their own professional development, but ultimately the growth and success of that industry. You can count on me to work with industry leaders so that they understand the vital role that the IEEE plays in the professional lives of their employees and actively support their participation in IEEE activities.

Finally all of us have a professional responsibility to increase awareness of engineers and engineering in society and strengthen the pipeline by encouraging, and mentoring students from K-12 to pursue careers in engineering and technological fields. As a professional engineering educator I have had the chance to work with some of the best and brightest and seen first hand the impact of IEEE on the lives of my students.

These are some of the challenges that I have attempted to address in my association with IEEE over the past two decades. I have served the IEEE in a variety of positions at the Chapter, Section, Area and Regional Levels and I have had the opportunity to work with some truly wonderful people along the way. I attribute all of the successes to the excellent teamwork and collaboration among the IEEE volunteers I have worked with. This experience

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#### **LORETTA ARELLANO** Position Statement

I've been a member of Region 6 all my life. I've participated in and enjoyed many areas of IEEE operating units - Regional, Technical and IEEE-USA. I've been involved in all levels of organization, from Chapter officer to IEEE BoD member. In Region 6 Regional Activities, I've been chair of two Los Angeles Council chapters (Computer and Reliability), San Fernando Valley Section, Los Angeles Council, and most recently, Southern Area. My involvement with these groups, along with other IEEE operating units outside of RAB, provides me with the experience necessary to represent Region 6 as Director Elect.

I'm very proud of my IEEE involvement, having become a member as a student and applying for senior membership as soon as I became qualified. I would take seriously the honor to represent Region 6.

##### **Strengths for Region VI Director Elect**

- Member of and involved with Region VI for all my IEEE career (1984- Present)
  - Good understanding of Region VI operation and issues
- Both Regional and Technical roots
  - Chapter chair, Section Chair, Los Angeles Council Chair, Region 6 Southern Area Chair
  - Chapter chair, Society President, Division Director
- Good understanding of IEEE structure and organization (knows how to work within the system)
- Strong advocate of PACE activities - Currently VP of Professional Activities, of which PACE committee is a part of

Loretta Arellano received the B.S. in Engineering from UCLA in 1985 and is a Support Program Manager at Raytheon Technical Services Company. She has been with Raytheon (formerly Hughes Aircraft) for over 12 years and at TRW prior to that. At Raytheon, she is the Supportability team lead on the F/A-18 AESA program. She has been a representative on Raytheon (and formerly at Hughes) company wide teams whose efforts are to standardize tools, training and processes. On these teams, she helped develop and teaches the Introduction to Reliability, Maintainability, Supportability and Safety (RMSS) course within Raytheon. At Hughes, she chaired the Corporate RMSS Committee. She is a fellow of the Institute for Advancement of Engineering.

##### **IEEE Activities** - (S'85-M'85-SM'94)

**COMMITTEES/BOARDS:** BOD, 2001/2002; TAB Products Committee, 1999-2000; RAB/TAB Sections/Chapters Support, 1998; TAB N&A, 2003-2004, IEEE N&A 2004

**IEEE-USA:** Vice President Professional Activities, 2003-2004.

**SOCIETIES:** Reliability: Adcom 2002-2003, Sr. Past President, 2001-2002; Jr. Past President, 1999-2000; President, 1997-98; Technical Operations, Vice President, 1995-96; Secretary, 1993-94.

**SECTIONS/REGIONS:** San Fernando Valley Chair, 2000-2001, Los Angeles Council Chair, 1996, Los Angeles Council Chapters Coordinator, 1992-93, Region 6 Southern Area Chair, 2001-2004.

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