



Emilio M. Salgueiro

(Nominated by Region 2)

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Emilio Salgueiro technical interests are in Computer Architecture, Performance, and Capacity Planning of large complex computer systems. He is Adjunct Faculty of Electrical and Computer Engineering at Temple University. He retired from Unisys Corporation after working very successfully as a Consulting Engineer for the System Analysis, Modeling and Measurement Performance Group. His area of expertise is in the private industry as well as Academia. As a Consulting Engineer Emilio worked in the System Performance Analysis and Capacity Planning. Manager in the System Analysis Modeling and Measurement department, and acted Director of Performance Engineering. Published MIPS ratings for all Unisys Mainframes. He obtained his academic education at the National University of Mexico (BSEE and BSME 1980) and the Pennsylvania State University (ME ES, and post Master's in AI 1990). He authored many proprietary papers, managed a multi-year research agreement with PSU and 4+ years as Lecturer at the Pennsylvania State University Malvern Campus.

IEEE Accomplishments and Activities (S'74-M'78-SM'90)

I have been an active volunteer for IEEE in multiple Boards and Committees. I currently serve as Region 2 Secretary; my participation in this position provided me with broad acquaintance with IEEE Region 2 structure, understanding of organizational units at the regional and technical level. I also served on the IEEE-

USA National PACE Committee representing Region 2 for many years, this provided me with good understanding of the IEEE-USA's structure, nationwide IEEE-USA's organization units at the national, regional and technical levels. I am very proud of supporting efforts to serve member interests with more programs, better communication and more opportunities for professional development. I also served on the Philadelphia Section Executive Committee in various positions, Chairman, Vice Chairman, Treasurer and Secretary. In the technical area, I am proud to be co-Chair of the Computer Society.

Statement

Having served IEEE through many volunteer positions, I have gained deep understanding of how the IEEE organization works, I am now very familiar with organizational, administrative and budget processes at all IEEE levels. If elected, I will use this knowledge to the advantage of members in our Region, in areas such as employment assistance, continuing education, and advocacy of the profession, STEM education, and student activities and challenges at all levels including:

- Promoting activities that inspire, enable, empower and engage our members. Member retention and growth is key to IEEE success
- Provide technical forums that help further member careers and deal with technological changes to remain globally competitive.
- Attract more students, including graduate students, into IEEE, with clear focus on retaining these students as members when they graduate.
- Increase the number of volunteers from among our members by providing shorter, flexible and modular volunteer assignments.
- Supporting and engaging members and sections in engineering outreach to future engineers, focusing in the K-12 audience.
- Improving STEM education is key to pursue potential engineering students and IEEE members.