RegiOne

IEEE

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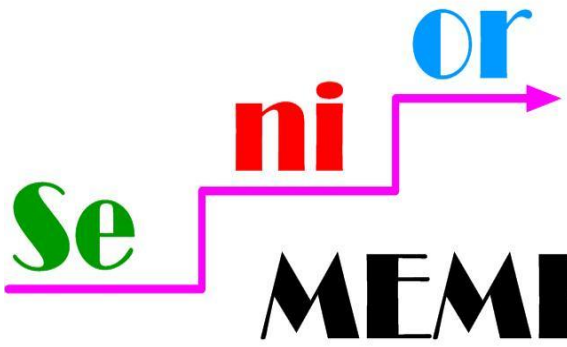
HOW TO BECOME A



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IEEE

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RegiOne Editor: Amitava Dutta-Roy, LF

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Vice Chair and Director-elect R1:	Ron Tabroff, SM
Secretary:	Charles Rubenstein, LSM
Treasurer:	Bala Prasanna, SM
Past Director R1:	Peter A. Eckstein, LSM

Advancing Technology for Humanity

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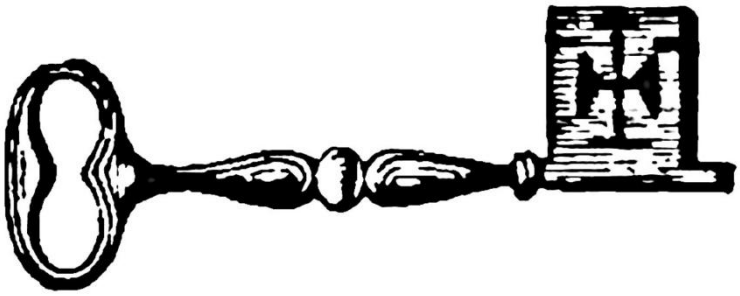
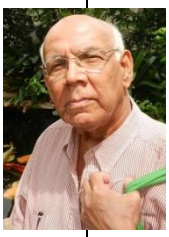


From the keyboard of the editor

Hope

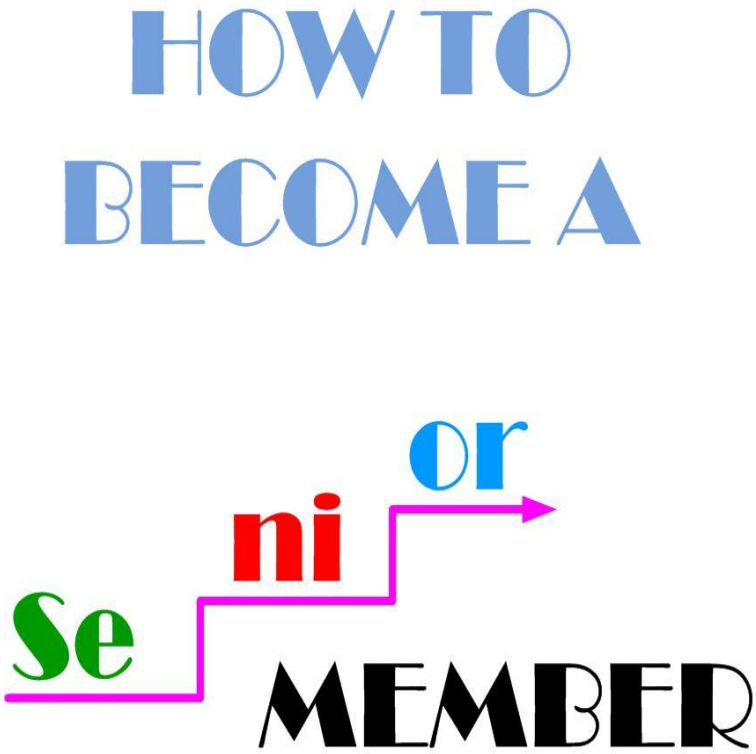
that all of you had a wonderful summer full of action items—whatever they were. That must have toned up your body muscles and brain neurons. Now it is time to get back to work! While many of you enjoyed golf, surf or other activities, at the RegiOne we have been working throughout the summer to improve the appearance of our postings, readability, and accessibility. However, we do not seem to have succeeded in driving home the point that a decent and informative RegiOne worthy of an IEEE logo desperately needs your cooperation. We were optimistic on receiving reports on the Region 1 Board of Governors' meeting during the weekend of 2-3 August at Rochester, NY, and on the IEEE Section Congress held in Amsterdam, Netherlands during the weekend of 22-24 August. Those of you who had the privilege to attend these conferences on our behalf are surely aware that you have an implied professional obligation to tell us as to what actions the august bodies have suggested for the betterment of the IEEE and its goal or advancing technology for the humanity. Should we put more emphasis on networking, should we have free access to the IEEE Xplore library, and should we more frequently hold technical presentations? The responses to these questions will pave the way to attract more young and experienced engineers to join the IEEE. The RegiOne did not get the opportunity to attend either the BoG meeting or the Sections Congress and is therefore in no position to present truthful first-hand reports. In the absence of such reports, in this edition of the RegiOne we can only post one article on demystifying the process of upgrading your membership to that of a senior by Sandy Mazzola, SM, the Region 1 IEEE Admissions & Advancement Representative. We trust you will take it seriously and make your application as soon as it is convenient for you to do so. Mazzola also agreed to write a short report on BoG meeting. A round of applause for Mazzola, please ☺)!! Please make the time for a leisurely read of both articles. Please send your comments to a.dutta-roy@ieee.org. Thank you.



—Amitava Dutta-Roy, PhD, LF

SANDY MAZZOLA ON SENIOR MEMBERSHIP

Sandy Mazzola, SM is the Region 1 IEEE Admissions & Advancement Representative



Achieving Senior Membership: Demystifying the Significant Performance Requirement

In the April 2014 issue of RegiOne,the Region 1 chapters coordinator Dr. Ilir Progri, SM wrote an excellent article on the Senior Member elevation process. Senior Member grade is the highest IEEE grade for which IEEE members can self nominate, or be nominated. Senior Members of the IEEE enjoy the professional recognition by their peers for their technical and professional excellence. Senior Members are eligible to hold executive IEEE volunteer positions. This article focuses on demystifying the requirements and the process of achieving senior membership without repeating the fine information that Progri presented.

The Senior Membership requirements include 10+ years of experience, a demonstration of 5+ years of significant performance and references supplied by 3 Senior or Fellow members (2 references if your Section is nominating you) . In his article Progri showed how to find references within your Section and presented all of the terrific reasons for becoming a Senior Member. This article covers the meaning of significant performance, how to cite it and provide examples as a guidance.

Performances considered significant to meet the requirements for Senior Membership are:

1. **Team leader, supervisor or program manager**
2. **Substantial engineering, responsibility or achievement**
3. **Technical direction or management of important scientific or engineering work with evidence of accomplishment**
4. **Research papers, search oriented course, tutorials**

5. **Substantial design work**
6. **Publications of technical papers, books, or inventions**
7. **Recognized contributions to the welfare of technical professions**
8. **Development or furtherance of important technical courses that fall within the IEEE designated fields of interest**
9. **Contributions as Technical Editing, Patent Prosecution and Patent Law to advance progress in the IEEE-designated fields**
10. **Professional awards and licenses**
11. **Teaching , Research, Industry, Practitioners, Consultants and Entrepreneurs**
12. **Significant contributions to Standards development**

Membership qualifications pertaining to IEEE designated fields include:

- **Engineering**
- **Computer Science & Information**
- **Physical Sciences**
- **Biological & Medical Sciences**
- **Mathematics**
- **Technical Communications, Education, Management, Law & Policy**

Two examples on about significant performance for the area of teaching are described below.

Teaching:

Performing research with some measure of success, publishing in high level recognized journals, publication of technical papers, books or inventions/patents (in the final version the teaching-related skills should go first),

departmental chair, supervision of successful PHD students, undergraduate teachers demonstrating excellence and dedication that might result in exceptional student accomplishment, including coaching in LEGO league or Robotics (teachers who are engineers and computer scientists). —

Engineering:

Engineering analysis, engineering test, engineering design, troubleshooting, engineering process management, quality control, technical sales, sales engineering, etc.

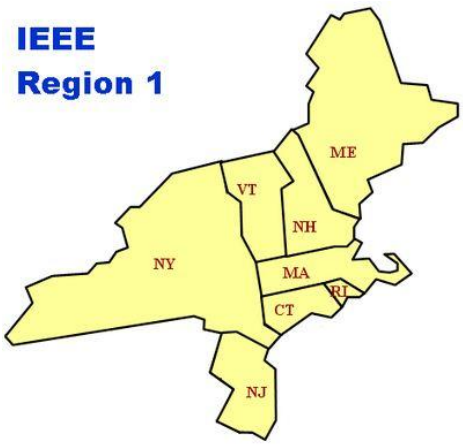
are recognized as valid skills for senior membership.

The list above is not all-inclusive. It should be used only as a guideline. The examples cited here not the only ones that demonstrate the areas of significant performance. If you think

your experience warrants significant performance and doesn't exactly fall within these categories do not be daunted, present it and your past and present performance will be evaluated by the IEEE and very well may be considered significant performance. In that vein, do not be disheartened if your application does not pass the first time through. Have the application reviewed and find out where the application came up short and where it can be beefed up to meet the requirements of SM grade.

Senior Membership benefits are extremely helpful to one's career. To achieve senior membership the successful applicant will be able to demonstrate 5+ years of significant performance. This article discussed some examples of significant performance. While the requirements for significant performance are stringent, they are not unreachable, take a look at your work achievements and you will realize that you can apply successfully for senior membership. If you have any questions about the Senior Member requirements please contact me directly at mazzolas @i eee.org or check the IEEE Senior Member Grade Portal. If you have any questions regarding assistance in the application process or obtaining references you should contact your Section Chair for assistance

In the words of many Rob Schneider characters from many Adam Sandler movies: **"You Can Do It"** ♦



BOARD OF GOVERNORS MEETING, 2-3 AUGUST 2014, ROCHESTER, NY

Sandy Mazzola

The 2014 Board of Governors (BoG) of Region 1 gathered for its annual meet at Rochester, NY during the weekend of 2-3 August. Opportunely, those dates coincided with the 100th anniversary of the existence of the IEEE's Rochester Section and the 50th of the R 1. Thus, besides working on issues pertinent to the R 1, the BoG members took advantage of the occasion for celebrating the anniversaries.

For those of you not familiar with Region 1 or its BoG, the Region has approximately 30,000 IEEE members spread over 22 individual IEEE Sections (aka Organizational Units or OUs) in the northeast of the United States.

The geographical territory of the Region covers the states of Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, Vermont, and (the northern and central regions of) New Jersey. For administrative convenience, Region 1 is sub-divided into four areas: northeastern, southern, central, and western, each coordinated by an area chair.

Five officers (director, director-elect, past director, secretary, and treasurer) of the Region 1 together with four area chairs; the 22 elected Section chairs; and the coordinators of membership; student activities; professional activities committees for engineers (PACE), young professional (formerly known as GOLD), strategic planning, women in engineering (WIE); and the society liaison have voting rights at any BoG meeting. Collectively they are also known as the the Region 1 Assembly. The Board also includes nearly three dozen non-voting chair or coordinator positions such as those of awards and recognition, and the historian/milestone coordinator.

However, usually, in a Region 1 BoG meeting the most important contingent consists of the Section chairs representing each of the 22 sections and this year was no exception. In situations where a Section chair cannot attend a specific meeting, a proxy may be selected by the Section ExCom.

At the last meeting of the BoG the senior leadership of the Region 1 BoG was represented by Region 1 director Vince Socci, Region 1 vice chair (director-elect) Ron Tabroff, past director Peter Eckstein, secretary Charles Rubenstein and treasurer Bala Prasanna. The three directors are sometimes playfully referred to as "the Three D's".

IEEE Region 1 Board of Governors meetings, as all other IEEE meetings, are governed by"Roberts Rules of Order-Newly Revised" (http://rulesonline.com). In addition to focusing on the routine agenda items, director Socci spoke about an IEEE Regional director's responsibilities, training strategies, and challenges to membership development. Socci also elaboraed his four key initiatives for 2014-2015 to: maximize members' values; support members' careers; invest in the engineering profession; and develop the IEEE's reputation and credentials.

IEEE vice president for Member and Geographic Activities (MGAB) Ralph Ford, and IEEE-USA president Gary Blank made guest presentations.

The meeting reached a high point when the three IEEE president-elect candidates made their pitches. The candidates are: Barry Shoop, Tarriq Durrani and Frederick Mintzer. (The last day for voting in the IEEE election was 1 October 2014).

Additional presentations followed. They were given by the IEEE-USA president-elect candidates, Peter Alan Eckstein and Keith D. Grezelak. The presentations ended with vigorous Q & A session with all candidates.

These sessions were important in the sense that the candidates could expound on their positions and their long-term manifestos. We hope that you remembered to vote in the election.

Another important item at the Region 1 BoG annual meeting concerned several reports. The Awards Committee made its report on 2014 Region awards and the Region 1 Nominations &Appointments (N&A) committee reported on the slate for the next year's Region 1 director-elect nominees. Following the customary practice, these discussions and voting were conducted in executive sessions (closed to non-voting members). Awardees will be informed prior to the list of awards is made public. The current slate of candidates approved by the BoG for 2015-2016 Region 1 is: director-elect/delegate-elect are Babak Beheshti

and Gim (Soon) Wan respectively. Their names will appear on *next year's* ballot.

Motions were made to approve several changes to update or modify the Region 1 bylaws and these motions were duly seconded. For example, as per the section 9.4.E of the MGAB operations manual, Section bylaws are no longer required. Instead, "All sections will be required to operate in accordance with IEEE Bylaws, Policies and the MGA Manual. Sections are permitted to maintain an *addendum* or separate *governance document*." However, Sections may have operations manuals, polices & procedures manuals or may even, for historical reasons, call these documents bylaws. Any procedure that a Section may have for separate governance will ultimately be follow the the MGA operations manual.

Region 1 maintains a MGA-approved bylaws document and a manual of operations and those are different from the MGA operations manual, or Section governance documents. The Region 1 bylaws represent a document of *higher* order than the Region 1 Operations Manual. The Operations manual, however, offers some clearer guidance for use in specific situations.

Usually, Region 1 BoG meetings always have a packed agenda, the last one in Rochester, NY was no exception. As described above, it was full of reports from volunteer officers, committees, and presentations by invited guests, motions, action items, new and old business matters etc. I have always felt that interaction with other colleagues from other IEEE Sections and Regions, and sharing experiences and challenges with them are the most valuable knowledge to be taken home from a Regional BoG meeting.

After the first day (Saturday) of the meeting their BoG members joined in to celebrate the Rochester Section's 100th anniversary and of Region 1's 50th. When the meeting finally ended on Sunday afternoon, everyone felt energized to return to their individual Sections with promises to contribute more to the IEEE.

Before concluding, I would like to thank Region 1 Secretary Charles Rubenstein for a very comprehensive set of minutes of the meetings that I freely used to write this report.

More photos of the BoG may be viewed at: http://share.shutterfly.com/action/welcome?sid=0BbuHDlo5aMmG6&emid=shareprintviewer&linkid=link2&cid=EM_sharview and http://rochester.ieee.org/files/2014/08/Newsletter_9-2014.pdf (courtesy of Bruce Rubin, SM of the Mohawk Valley Section and its former past chair).♦

HOW TO REACH THE 22 IEEE SECTIONS OF REGION 1

NORTHEASTERN AREA (AREA CHAIR: JASON HUI, SENIOR MEMBER)

New Hampshire: http://www.ieee-nh.org/
Boston: http://www.ieeeboston.org/
Maine: http://ewh.ieee.org/r1/maine/me_ieee.html
Providence: https://ewh.ieee.org/r1/providence/
Worcester County: http://users.rcn.com/ieeeworc/

CENTRAL AREA (AREA CHAIR: BABAK IZADI, SENIOR MEMBER)

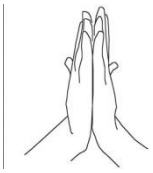
Green Mountain (Vermont): http://sites.ieee.org/gm/
Springfield: www.ieee.org/go/springfield
Mid-Hudson: http://ewh.ieee.org/r1/berkshire/
Mid-Hudson: https://webinabox.vtools.ieee.org/wibp_home/index/R10019
Schenectady:http://sites.ieee.org/schenectady/

WESTERN AREA (AREA CHAIR: ALEXANDER LOUI, FELLOW)

Rochester: http://rochester.ieee.org/
Buffalo: http://www.ewh.ieee.org/r1/buffalo/
Syracuse: https://ewh.ieee.org/r1/syracuse/
Birmingham: https://webinabox.vtools.ieee.org/wibp_home/index/R10003

SOUTHERN AREA (AREA CHAIR: ROBERT PELLEGRINO, LIFE SENIOR MEMBER)

North Jersey: http://sites.ieee.org/northjersey/news/newsletters
New York: http://ewh.ieee.org/r1/new_york/
Connecticut: http://www.ieeect.org/
Long Island: http://sites.ieee.org/r1?s=Long+Island
New Jersey Coast: http://sites.ieee.org/r1?s=New+Jesey+coast
Princeton/Central Jersey: http://ewh.ieee.org/r1/princeton-centraljersey/



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