



231703
Saifur Rahman
2023 IEEE President & CEO
Phone +1 732 562 3928
Fax +1 732 981 9515
president@ieee.org

06/20/23

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Received	
Date:	JUN 22 2023
Time:	12:51 PM
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Dear Doracie B. Zoleta-Nantes, Ph.D:

It is a pleasure to advise you that Renato R. Maaliw III, a member of your organization, has been elevated to the grade of Senior Member of IEEE this year.

Senior Member is the highest professional grade of IEEE for which a member may apply. It requires extensive experience, and reflects professional accomplishment and maturity. Only 10% of our more than 400,000 members have achieved this level.

We are very pleased to have Renato R. Maaliw III join the elite rank of IEEE Senior Members – both Renato R. Maaliw III and you should be proud of the professional achievements that led to this recognition. We look forward to additional contributions and successful projects and discoveries made by or associated with our new Senior Member.

Sincerely,

Saifur Rahman
2023 IEEE President and CEO

Questions or Comments: Email the Senior Member Team at senior-member@ieee.org

APPROVED / DISAPPROVED

Doracie B. Zoleta-Nantes, PhD
University President

2023 Certificate of IEEE Membership

This certificate recognizes

Renato Maaliw III

as a Senior Member in good standing through December 2023, denoting
a personal and professional commitment to the advancement of technology



Saifur Rahman, 2023 IEEE President



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2022 Medal of Honor Recipient-Microsensor and Systems Pioneer

Asad M. Madni

Samueli School of Engineering at the University of California, Los Angeles

"For pioneering contributions to the development and commercialization of innovative sensing and systems technologies, and for distinguished research leadership."



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- Member (401)
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- Life Senior (2)
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Works at Southern Luzon State University
Studied at AMA University
IEEE Nanotechnology Council
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33 YEARS IEEE Membership Milestone

From Quezon City, Philippines
Studied at Rensselaer Poly Institute

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From Calamba City, CALABARZON, Philippines
Works at University of Northern Philippines
Studied at Technological Institute of the Philippines

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Renante Donida

4 YEARS IEEE Membership Milestone

From Angeles City, Pampanga, Philippines
Studied at Technological Institute of the Philippines
IEEE Council on Superconductivity
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24 YEARS IEEE Membership Milestone

From Quezon City, Metro Manila, Philippines
Studied at Univ College-Univ Of London

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21 YEARS IEEE Membership Milestone

From Mandaluyong City, Manila, Philippines
Studied at Curtin University

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Become an IEEE Senior Member

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Senior member is the highest grade for which IEEE members can apply. IEEE members can self-nominate, or be nominated, for Senior Member grade.

To be eligible for application or nomination, candidates must:

- Be engineers, scientists, educators, technical executives, or originators in IEEE-designated fields
- Have experience reflecting professional maturity
- Have been in professional practice for at least ten years (with some credit for certain degrees)
- Show significant performance over a period of at least five of their years in professional practice

> [Review complete Senior member requirements](#)

Prospective members who would like to apply directly for Senior Member grade must first join IEEE and then submit the Senior Member application form. An IEEE Member Number is required on the Senior Member application. The Senior Member portal may not be accessible for 24 hours if you have joined or renewed your IEEE membership. There is no additional fee to apply for Senior Member grade. For applications or nominations to be considered, they must be received completed, with all required references and resume, at least seven days prior to the meeting date.

> [Begin Senior member application process](#)

Please note, for the best experience, please use the latest version of Chrome or Firefox to complete your application. The platform does not support Internet Explorer.

Also note: Applications and attachments, such as resumes and CVs, must be written/submitted in English.

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Benefits of Senior membership

- **Recognition:** The professional recognition of your peers for technical and professional excellence.
- **Leadership eligibility:** Senior members are eligible to hold executive IEEE volunteer positions.
- **Ability to refer other candidates:** Senior members can serve as a reference for other applicants for Senior membership.
- **Review panel:** Senior members are invited to be on the panel to review Senior member applications.
- **Letter of commendation:** A letter of commendation on the achievement of Senior member grade will be sent to your employer (upon request). [Request a letter of commendation](#).
- **Announcements:** Announcement of your elevation can be made in section/society and/or local newsletters, newspapers, and notices. Please contact your Section Chair for more information.

In addition to your new benefits, the following rewards are sent to you via postal mail:

- **Complimentary Society Membership:** You may join one **new** IEEE Society for one year.
- **Senior Member plaque:** An engraved plaque you can proudly display to colleagues, clients, and employers. The plaque, an attractive fine wood with bronze engraving, is mailed approximately twelve weeks after elevation.

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Requirements for IEEE Senior Member Grade

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IEEE Bylaw I-104.3 sets forth the criteria for elevation to Senior Member grade as follows:

- A candidate shall be an engineer, scientist, educator, technical executive or originator in IEEE-designated fields
- Candidates shall have been in professional practice for at least ten years
- Candidates shall have shown significant performance over a period of at least five of those years

In addition, candidates for Senior Member grade must supply three references from current IEEE members holding the grade of Fellow, Senior Member, or Honorary Member.

> [Review example cases below](#)

On this page:

- > [IEEE-designated fields](#)
- > [Ten years of professional experience](#)
- > [Five years of significant performance](#)
- > [References](#)
- > [Examples](#)

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IEEE-designated fields

- Engineering
- Computer sciences and information technology
- Physical sciences
- Biological and medical sciences
- Mathematics
- Technical communications, education, management, law and policy

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Ten years of professional experience

The ad hoc Admission and Advancement (A&A) Review Panel, that is evaluating your application, will count the years you have been in professional practice.

Time working and attending school at the same time will be counted either as work experience OR education experience.

Your educational experience is credited toward that time as follows:

- Three years if you hold a baccalaureate degree or equivalent in an IEEE-designated field
or
- Four years if you hold a master's degree or equivalent in an IEEE-designated field
or
- Five years if you hold a doctorate or equivalent in an IEEE-designated field

Please note, the maximum number of years for education that may be counted toward professional experience is five years.

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Five years of significant performance

Many prospective applicants make the mistake of assuming that "significant performance" requires special awards, patents, or other extremely sophisticated technical accomplishments, but this is not the case. Substantial job responsibilities such as team leader, task supervisor, engineer in charge of a program or project, engineer or scientist performing research with some measure of success (papers), or faculty developing and teaching courses with research and publications, all are indications of significant performance. The following are also indications of significant performance:

- Substantial engineering responsibility or achievement
- Publication of engineering or scientific papers, books, or inventions
- Technical direction, or management of important scientific or engineering work, with evidence of accomplishment
- Recognized contributions to the welfare of the scientific or engineering profession
- Development or furtherance of important scientific or engineering courses that fall within the IEEE designated fields of interest

Volunteer Resources

Visit the Volunteers section for the following:

- Senior member initiative
 - Section and Society benefits
 - Best practices for Sections and Societies
 - Schedule of review panels
 - Senior member statistics
 - Admission & Advancement Committee
- > [Visit the Senior member volunteer resources section](#)
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INFORMATION

- Contributions equivalent to those of the above in such areas as technical editing, patent prosecution, or patent law, provided these contributions serve to advance progress substantially in IEEE designated fields

Significant performance that would serve to qualify an individual for elevation to Senior member need not have occurred in the years immediately prior to the application. Thus, Life and Retired members are eligible for elevation.

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References

The applicant must also provide three references from current IEEE members holding Senior Member, Fellow, or Honorary Member grade. Your professional colleagues are your best source of these references. If you have difficulty in locating Senior members or Fellows to serve as references, you have **three options**.

Option 1

Follow these simple steps to search for qualifying members using IEEE Collabratec.

1. [Sign in to Collabratec](#).
2. Enter your user name and password.
3. On the top of Collabratec, click on "People."
4. Under the "IEEE Membership Directory" on the lefthand side, use "Member Status" to filter "Senior Member," "Life Senior," "Fellow," and "Life Fellow."
5. Use the remaining Filters on the lefthand side to narrow your search as you please.
6. Click on any of the profiles listed that you wish to message.
7. Click the "Message" tab to message the member.

Option 2

Contact the Section or Chapter chair for assistance in finding qualified references. More information about your Section chair can be found under the "References" tab of your application.

The applicant is responsible for contacting your Region/Section Chair. Tell them you are applying for Senior membership and require three references. Your Section Chair may ask you a few questions and ask to see your resume. You will need names and membership numbers that will be entered into the reference tab of the application process.

If you are working with your Society or Region, they may offer to endorse (be a nominator) on your application. IEEE Sections/Societies can receive a rebate of \$10 for each successful nomination as part of the Nominate a Senior Member Initiative. If they wish to serve as a nominator they should begin the application process for you and then the applicant will finish the remaining tabs of the application.

Please note: If you have a nominator, they serve as a reference as well; therefore, you will only require two additional references.

Option 3

Attend Section meetings and network with Senior members and Fellows in your area.

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Examples

The following are examples of significant performance that would serve to qualify an individual for elevation to Senior member. In each case, assume that three qualified references were provided:

Case 1 An applicant/nominee has a bachelor's degree and seven additional years of professional experience beyond graduation in an area encompassed by one of IEEE's technical Societies, which meets the requirement of ten years of professional experience. Significant performance can be demonstrated by describing substantial job responsibilities (e.g., team leader) for a period of at least five years. Result: All criteria are satisfied and the application is approved.

Case 2 Same as Case 1, except that the applicant/nominee worked in industry for one year following graduation with the bachelor's degree and then was a full-time graduate student for two years, obtaining a master's degree. The applicant demonstrates significant performance during another five years in industry. Result: Approved.

Case 3 An applicant/nominee has bachelor, master's, and doctoral degrees in an IEEE-designated field. Five years of significant performance in academia, industry, or government beyond the doctoral degree are demonstrated (e.g., a faculty member with five years beyond the doctorate and promotion to associate professor). Result: Approved.

Case 4 An applicant/nominee has no degree and has worked for many years in the electric industry as a technician. Ten years ago, the applicant/nominee accepted an engineering-level position and continued with it since that time. Included was a period of at least five years with demonstrated significant performance. Result: Approved.

Case 5 An applicant/nominee retired some years ago and has not been active recently in the profession. Prior to retirement, the applicant/nominee had at least ten years of professional experience, including five years of significant performance. Result: Approved.

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IEEE Senior Member Application



Applicant: Renato Maaliw III

Status: Approved

Evaluated & Endorsed by IEEE Senior Members

Applicant Information

Professional Experience

Significant Performance

Attachments

References

References

Obtain the IEEE member number of your references before completing this step.

Please note, once you Submit your application, your references will receive an email notification, prompting them to log in, review your application and provide their reference.

if you need assistance with locating references, please reach out to the section chair listed below.

If you need assistance with contacting your Section Chair, please contact senior-member@ieee.org

Member Name	Status	Date Sent Out
Narayana Challa	Completed	25-Apr-2023
Aylchino Louise Philip A. Alcantara	Completed	25-Apr-2023
Rafael Mantaring	Completed	25-Apr-2023
Kong-Pang Pun	Completed	26-Apr-2023
Quang Hieu Ngo	Requested	27-Apr-2023
Md.Saiful Islam	Completed	01-May-2023
Latha Thammareddi	Completed	30-May-2023
Yong Yin	Draft	30-May-2023

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[Email: senior-member@ieee.org](mailto:senior-member@ieee.org)
[Phone: +1 800 678 4333 \(US & Canada\)](#)
[Worldwide: +1 732 981 0060](#)

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**My Complete Application
For Senior Membership
Elevation that I used to
achieve the rank can be
found at:**

renatomaaliw3.github.io



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The following information provides an overview of IEEE offerings and services.

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IEEE Quick Facts

Last updated December 2022

IEEE has:

- Over 427,000 members in more than 190 countries, more than 64 percent of whom are from outside the United States
- More than 145,000 Student members
- 344 Sections in ten geographic Regions worldwide
- 2,702 Chapters that unite local members with similar technical interests
- 3,700 Student Branches at colleges and universities in over 100 countries
- 3,625 Student Branch Chapters of IEEE technical Societies
- 634 affinity groups; IEEE affinity groups are non-technical sub-units of one or more Sections or a Council. The affinity group parent entities are the IEEE-USA Consultants Network, Young Professionals (YP), Women in Engineering (WIE), Life Members (LM), and IEEE Entrepreneurship

IEEE:

- Has 39 technical Societies and seven Technical Councils representing a wide range of IEEE technical interests
- Has more than 5 million documents in the IEEE Xplore® digital library, with more than 15 million downloads each month
- Has an active portfolio of 1,032 standards and more than 1,045 projects under development
- Publishes more than 200 transactions, journals, and magazines
- Sponsors more than 2,000 conferences and events in 106 countries while contributing over 4 million total conference papers to IEEE Xplore since 1936, with more than 200,000 new papers added annually

Membership

There are over 427,000 IEEE members in over 190 countries, more than 64 percent of whom are from outside the United States. IEEE members are engineers, scientists, and allied professionals whose technical interests are rooted in electrical and computer sciences, engineering, and related disciplines.

The highest grade of membership, IEEE Fellow, is attained through nomination by peers and approval by the IEEE Board of Directors for distinction in the profession.

> [Learn more about IEEE membership](#)

Communities

As the world's largest technical professional organization, IEEE offers a number of ways to get involved with technical and local communities. These communities are active participants in research and authorship, conferences, and important conversations about today's most relevant technical topics locally and globally.

With 39 technical Societies, ten geographic Regions that host over 10,000 local meetings annually, several affinity and special interest groups, humanitarian opportunities, and virtual communities and private groups through IEEE Collabratec®, IEEE offers ample opportunity to network and grow professionally through communities.

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Conferences and events

IEEE sponsors more than 2,000 annual conferences and events worldwide, curating cutting-edge content for all of the technical fields of interest within IEEE.

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Publications

IEEE publishes nearly a third of the world's technical literature in electrical engineering, computer science, and electronics. This includes more than 200 transactions, journals, and magazines published annually. In cooperation with John Wiley and Sons, Inc., IEEE also produces technical books, monographs, guides, and textbooks.

IEEE journals are consistently among the most highly cited in electrical and electronics engineering, telecommunications, and other technical fields.

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Standards

IEEE is a leading developer of international standards that underpin many of today's telecommunications, information technology, and power-generation products and services.

Often the central source for standardization in a broad range of emerging technologies, the IEEE Standards Association has an active portfolio of nearly 1,032 standards and more than 1,045 projects under development. This includes the prominent IEEE 802® standards for local, metropolitan, and other area networks, including Ethernet and Wireless LAN (commonly referred to as Wi-Fi®).

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Education

By awarding continuing education units and professional development hours, IEEE helps its members meet their continuing education requirements and develops products and services in support of these efforts.

IEEE follows strict guidelines for the development and delivery of continuing education materials, conforming to the highest industry practices for awarding continuing education units, professional development hours, and certificates of completion.

At the pre-college level, IEEE works with industry, universities, and government to raise students' literacy in science, math, engineering, and technology.

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Humanitarian

As the philanthropic partner of IEEE, the IEEE Foundation translates the values of our members and donors into social impact and advances the IEEE mission across the globe.

The IEEE Foundation connects 200+ IEEE member-led initiatives with financing, expertise, and philanthropic guidance. Its goal is to put effort where philanthropy and technology intersect. The investment of time, talent, and treasure from generous donors supports IEEE programs that improve access to technology, enhance technological literacy, and support technical education and the IEEE professional community.

The IEEE Foundation, a tax-exempt 501(c)(3) organization in the United States:

- Inspires donations to IEEE, bringing visibility, focus, scale, impact, and relevance to the work of IEEE through philanthropy
- Manages donations for IEEE, ensuring effective financial management and strong governance
- Invests in programs of IEEE, turning the donations into action and impact through IEEE programs

The IEEE Foundation serves as a steward of donations that improve the human condition. It empowers the next generation of engineers and scientists, educates and raises awareness, energizes and recognizes innovation, and preserves the history of technology. With donor support, the IEEE Foundation strives to be a leader in transforming lives through the power of technology and education.

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Accomplishments in IEEE technical fields are recognized with annual awards for outstanding contributions to technology, society, and the engineering profession.

IEEE Medals are the highest awards that IEEE presents on behalf of the IEEE Board of Directors. IEEE Medals embrace significant and broad IEEE interests and purposes. The highest honor is the IEEE Medal of Honor, which recognizes an individual for an exceptional contribution or extraordinary career in the IEEE fields of interest. Past recipients have included such visionaries as:

- Guglielmo Marconi (1920, for radio telephony)
- William Shockley (1980, for junction, analog, and junction field-effect transistors)
- Andrew S. Grove (2000, for pioneering research in metal oxide semiconductor devices and technology)
- Gordon E. Moore (2008, for pioneering technical roles in integrated-circuit processing, and leadership in the development of MOS memory, the microprocessor computer, and the semiconductor industry)
- Mildred Dresselhaus (2015, for leadership and contributions across many fields of science and engineering)
- Kees Schouhamer Immink (2017, for pioneering contributions to video, audio, and data recording technology, including compact disc, DVD, and Blu-ray)
- Bradford W. Parkinson (2018, for fundamental contributions to and leadership in developing the design and driving the early applications of the Global Positioning System)
- Kurt E. Petersen (2019, for contributions to and leadership in the development and commercialization of innovative technologies in the field of MEMS)
- Chenming Hu (2020, for a distinguished career of developing and putting into practice semiconductor models, particularly 3-D device structures, that have helped keep Moore's Law going over many decades)
- Jacob Ziv (2021, for fundamental contributions to information theory and data compression technology, and for distinguished research leadership)
- Asad M. Madni (2022, for pioneering contributions to the development and commercialization of innovative sensing and systems technologies, and for distinguished research leadership)

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