

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



You are in the company of innovators worldwide, like
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."



IEEE
Advancing Technology
for Humanity

Compose

Inbox

Starred

Snoozed

Sent

Drafts

More

Labels +

3ICT2021 Meeting Links

Awards

EDM614

Huawei

Licenses

Receipts

Research Acceptance

Invitation to be Chair of Session 4 (IEMCON 2022) on 12th October 2022 Inbox

Dr. Soumadip Ghosh <soumadip.ghosh@iemcal.com>

to me, Malay, venkatesh.chebolu, Arpita ▾

Wed, Oct 12, 2022, 6:16 PM

☆ ↻ ⋮

Dear Dr. RENATO R. MAALIW III,
SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES.

Greetings of the day.

I am Dr. Soumadip Ghosh from the Institute of Engineering & Management, Kolkata. I would like to invite you to be the session chair of the international conference IEEE IEMCON 2022.

Prof. Venkatesh Chebolu and I will act as the rapporteurs for your session on "INTELLIGENT INFORMATION PROCESSING", Day 1 Session 4 (Link: <https://zoom.us/j/6319961197>) on 12th October 2022 (today) in IEEE IEMCON 2022. Henceforth, Prof. Das and I will communicate with you regarding the necessary details related to the responsibilities of the session chair.

Please find attached the evaluation sheet for your session. After the session, kindly mail us the graded evaluation sheet. In case of any query, kindly get back at our email ids:

soumadip.ghosh@iemcal.comvenkatesh.chebolu@iem.edu.in

Kindly confirm the receipt of the mail.

Looking forward to a successful IEEE IEMCON 2022 conference.

With best regards,

Prof. Soumadip Ghosh

Prof. Venkatesh Chebolu

One attachment • Scanned by Gmail ⓘ



Renato Racelis Maaliw III <renatomaaliw3@gmail.com>

to Soumadip, Malay, venkatesh.chebolu, Arpita ▾

Wed, Oct 12, 2022, 6:54 PM

☆ ↻ ⋮

Thank you for the mail.

This is well noted.

Dr. Renato R. Maaliw III

Dean, College of Engineering

Southern Luzon State University - Philippines



Renato Racelis Maaliw III

Thank you very much for inviting me as a Session Chair. Attached is the evaluation form for Session 4 Thank you.

Thu, Oct 13, 2022, 4:52AM

☆



Dr. Soumadip Ghosh

Received with thanks.

Thu, Oct 13, 2022, 4:54AM

☆



Renato Racelis Maaliw III <renatomaaliw3@gmail.com>

to Soumadip, venkatesh.chebolu, Malay, Arpita ▾

Thu, Oct 13, 2022, 4:56 AM

☆ ↻ ⋮

You are welcome.

[Reply](#)[Reply all](#)[Forward](#)



IEEE IEMCON 2022

Vancouver, Canada

takes pleasure in presenting this Plaque to



Renato R. Maaliw III

(Southern Luzon State University)

in recognition and appreciation for

being the Session Chair

12 – 15 OCTOBER 2022



IEEE VANCOUVER SECTION



EVALUATION SHEET

Session No. : 10

Day : 1

SESSION 10: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

TIME: 12:00 PM – 1:30 PM SESSION CHAIR : RENATO R. MAALIW III (SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES)

ID	TITLE	AUTHOR'S NAME	EVALUATION FACTORS (Out of 10)					TOTAL (Out of 50)
			DELIVERY	ORGANIZATION	THOROUGHNESS OF RESEARCH	ORIGINALITY	ACCURACY	
1570874335	Classification of Road Objects Using Convolutional Neural Networks	Mann Patel and Heba Elgazzar (Morehead State University, USA)	9	8	8	8	8	41
1570878873	An IoT Intrusion Detection System Based on TON_IoT Network Dataset	Ge Guo, Xuefeng Pan, He Liu, Fen Li, Lang Pei and Kewei Hu (Wuhan Qingchuan University, China)	7	8	8	8	8	39
1570879285	Airbnb Rental Price Prediction Using Machine Learning Models	Eman Abdelfattah and Alexander Lektorov (Sacred Heart University, USA); Shreehar Joshi (Ramapo College of New Jersey, USA)	7	7	8	7	7	36

1570878327	Machine Learning in Embedded Systems: Limitations, Solutions and Future Challenges	Eleftherios Batzolis (International Hellenic University, Greece); Eleni Vrochidou (International Hellenic University (IHU), Greece); George A Papakostas (International Hellenic University, Greece)	8	8	8	7	8	39
1570880964	Prompting Large Language Models With the Socratic Method	Edward Y Chang (Stanford University, USA)	10	10	10	10	9	49
1570878330	Machine Learning Based Intrusion Detection for IoT Edge Devices	Maram Alsharif and Danda B. Rawat (Howard University, USA)	9	8	9	8	9	43

Signature of Session Chair:

Renato R. Maaliw III

(Southern Luzon State University)

EVALUATION SHEET

Session No. : 11 Day : 2

SESSION 11: ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

TIME:10:30 AM – 12:00 PM SESSION CHAIR : RENATO R. MAALIW III (SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES)

ID	TITLE	AUTHOR'S NAME	EVALUATION FACTORS (Out of 10)					TOTAL (Out of 50)
			DELIVERY	ORGANIZATION	THOROUGHNESS OF RESEARCH	ORIGINALITY	ACCURACY	
1570879294	Recent Advances in Cybersecurity and Fraud Detection in Financial Services: A Survey	AakritiBajracharya, Barron Harvey and Danda B. Rawat (Howard University, USA)	8	8	8	7	8	39
1570880386	Recent Advances in Artificial Intelligence Enabled Tutoring Systems: A Survey	Ismail Yesir and Danda B. Rawat (Howard University, USA)	8	8	8	7	8	39
1570875577	Classification Challenges and Analysis of Traffic Patterns for Highly Congested Areas in Central Texas	Eduardo Alonso, Daniel A Alonso and Damian Valles (Texas State University, USA)	9	8	8	8	9	42
1570878341	Applying Deep Reinforcement	Curtis Rookard and Anahita Khojandi	8	8	8	8	8	40

	Learning for Detection of Internet-Of-Things Cyber Attacks	(University of Tennessee Knoxville, USA)						
1570878540	IoT Security: AI Blockchaining Solutions and Practices	Hephzibah Rajan, John Burns and ChetanJaiswal (Quinnipiac University, USA)	9	8	8	8	8	41
1570881016	Forecasting of Air Quality Index in San Francisco Using Machine Learning	BarathwajaSubashChandar and PrashanthRajagopalan (University of North Dakota, USA); Prakash Ranganathan (University of North Dakota, United Kingdom)	8	8	9	8	9	43
1570879041	Pragmatic Domestic Electrical Load Disaggregation	Sudarshan S Chawathe (University of Maine, USA)	9	8	8	9	8	42

Signature of Session Chair:


Renato R. Maaliw III, DIT



The professional home for the engineering and technology community worldwide

Search all IEEE websites



Home > About > Corporate

IEEE Board of Directors

The IEEE Board of Directors is comprised of the three IEEE Presidents; the Vice Presidents and Presidents of the six major boards; the Secretary; the Treasurer; the ten Region Directors; the ten Division Directors; and the Directors Emeritus.

On this page:

- > [2023 IEEE Board of Directors](#)
- > [IEEE staff](#)

2023 IEEE Board of Directors

- IEEE President and CEO: Saifur Rahman
- IEEE President-Elect: Thomas M. Coughlin
- IEEE Past President: K. J. Ray Liu
- Director & Secretary: Forrest D. Wright
- Director & Treasurer: Mary Ellen Randall
- Director & Vice President, Educational Activities: Rabab Ward
- Director & Vice President, Member & Geographic Activities: Jill I. Gostin
- Director & Vice President, Publication Services and Products: Sergio Benedetto
- Director & President, Standards Association: Yu Yuan
- Director & Vice President, Technical Activities: John P. Verboncoeur
- Director & President IEEE-USA: Eduardo F. Palacio
- Director & Delegate, Region 1: Greg T. Gdowski
- Director & Delegate, Region 2: Andrew D. Lowery
- Director & Delegate, Region 3: Theresa A. Brunasso
- Director & Delegate, Region 4: Vickie A. Ozburn
- Director & Delegate, Region 5: Bob G. Becnel
- Director & Delegate, Region 6: Kathy Herring Hayashi
- Director & Delegate, Region 7: Robert L. Anderson
- Director & Delegate, Region 8: Vincenzo Piuri
- Director & Delegate, Region 9: Enrique A. Tejera
- Director & Delegate, Region 10: ChunChe (Lance) Fung
- Director & Delegate, Division I: Franco Maloberti
- Director & Delegate, Division II: Kevin L. Peterson
- Director & Delegate, Division III: Khaled Ben Letaief
- Director & Delegate, Division IV: Alistair P. Duffy
- Director & Delegate, Division V: Cecilia Metra
- Director & Delegate, Division VI: Kamal Al-Haddad
- Director & Delegate, Division VII: Claudio Cañizares
- Director & Delegate, Division VIII: Leila De Floriani
- Director & Delegate, Division IX: Ali H. Sayed
- Director & Delegate, Division X: Stephanie M. White
- Director Emeritus: Theodore W. Hissey

The IEEE App



Let's stay connected.

> [Download today](#)

IEEE staff

- Executive Director and COO: Sophia A. Muirhead
- Staff Executive, Corporate Activities: Donna Hourican

[TOP OF PAGE](#)

[TOP OF PAGE](#)

ABOUT IEEE

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

- > Learn more about IEEE
- > IEEE Mission & Vision

LOCATIONS

IEEE has a global presence with seven offices internationally.
> IEEE office locations

MEMBERSHIP

- > Join
- > Renew
- > Benefits
- > IEEE Collabratec
- > Report cybersecurity concerns to security@ieee.org

GET INVOLVED

- > Conferences
- > Local activities
- > Publishing
- > Societies
- > Councils
- > Standards
- > Technical careers
- > Volunteer

CONNECT WITH IEEE**Contact & Support**

- > IEEE Collaborate

- > Careers at IEEE

- > IEEE Newsroom

- > IEEE Media Kit

- > IEEE Learning Network

TAP. CONNECT. NETWORK. SHARE.

with the **IEEE App**



[TOP OF PAGE](#)

[Home](#) | [Sitemap](#) | [Contact & Support](#) | [Accessibility](#) | [Nondiscrimination Policy](#) | [IEEE Ethics Reporting](#) | [IEEE Privacy Policy](#) | [Terms](#) | [Feedback](#)

© Copyright 2023 IEEE – All rights reserved. A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.



The professional home for the engineering and technology community worldwide

Search all IEEE websites



Home > About

History of IEEE

Related information >

IEEE, an organization dedicated to advancing innovation and technological excellence for the benefit of humanity, is the world's largest technical professional society. It is designed to serve professionals involved in all aspects of the electrical, electronic, and computing fields and related areas of science and technology that underlie modern civilization.

IEEE's roots go back to 1884 when electricity began to become a major influence in society. There was one major established electrical industry, the telegraph, which since the 1840s had come to connect the world with a data communications system faster than the speed of transportation. The telephone and electric power and light industries had just gotten underway.

Meaning of I-E-E-E

IEEE, pronounced "Eye-triple-E," stands for the Institute of Electrical and Electronics Engineers. The organization is chartered under this name and it is the full legal name.

However, as the world's largest technical professional organization, IEEE's membership has long been composed of engineers, scientists, and allied professionals. These include computer scientists, software developers, information technology professionals, physicists, medical doctors, and many others in addition to IEEE's electrical and electronics engineering core. For this reason the organization no longer goes by the full name, except on legal business documents, and is referred to simply as IEEE.

On this page:

- > [Meaning of I-E-E-E](#)
- > [Foundation of the AIEE](#)
- > [Foundation of the IRE](#)
- > [The societies converge and merge](#)
- > [Growth and globalization](#)
- > [Related links](#)

IEEE History Center

Learn the history of IEEE and its fields of interest by exploring a vast collection of historical articles, milestones, and other educational materials at the [IEEE History Center](#).

The IEEE App



Let's stay connected.

> [Download today](#)

Foundation of the AIEE

In the spring of 1884, a small group of individuals in the electrical professions met in New York, USA. They formed a new organization to support professionals in their nascent field and to aid them in their efforts to apply innovation for the betterment of humanity—the American Institute of Electrical Engineers, or AIEE for short. That October, the AIEE held its first technical meeting in Philadelphia, PA, USA. Many early leaders, such as founding President Norvin Green of Western Union, came from telegraphy.

Others, such as Thomas Edison, came from power, while Alexander Graham Bell represented the telephone industry. Electric power spread rapidly, enhanced by innovations such as AC induction motors, long-distance AC transmission, and larger power plants. Companies such as AEG, General Electric, Siemens & Halske, and Westinghouse underwrote its commercialization. The AIEE became increasingly focused on electrical power and its ability to change people's lives through the unprecedented products and services it could deliver. There was a secondary focus on wired communication, both the telegraph and the telephone. Through technical meetings, publications, and promotion of standards, the AIEE led the growth of the electrical engineering profession, while through local sections and Student Branches, it brought its benefits to engineers in widespread places.

[TOP OF PAGE](#)

Foundation of the IRE

A new industry arose, beginning with Guglielmo Marconi's wireless telegraphy experiments in 1895-1896. What was originally called "wireless" telegraphy became radio with the electrical amplification possibilities inherent in the vacuum tubes that evolved from John Fleming's diode and Lee de Forest's triode. With the new industry came a new society in 1912, the Institute of Radio Engineers.

The IRE was modeled on the AIEE but was devoted to radio, and then broadly to electronics. It also furthered its profession by linking members through publications, standards, and conferences and encouraging them to organize local sections and meetings to exchange information and ideas.

[TOP OF PAGE](#)

The societies converge and merge

Through the help of leadership from the two societies, and with the applications of its members' innovations to industry, electricity wove its way more deeply into every corner of life, through television, radar, transistors, and computers. Increasingly, the interests of the societies overlapped.

Membership in both societies grew, but beginning in the 1940s, the IRE grew faster and in 1957 became the larger group. On 1 January 1963, the AIEE and the IRE merged to form the Institute of Electrical and Electronics Engineers, or IEEE. At its

[TOP OF PAGE](#)

 TOP OF PAGE

Growth and globalization

Over the decades that followed, the social roles of the technologies under IEEE's aegis continued to spread across the world and reach into more and more areas of people's lives. The professional groups and technical boards of the predecessor institutions evolved into IEEE Societies. By the early 21st century, IEEE served its members and their interests with 39 Societies; 130 journals, transactions, and magazines; more than 300 conferences annually; and 900 active standards.

Since that time, computers evolved from massive mainframes to desktop appliances to portable devices, linked to global networks connected by copper wire, microwaves, satellites, or fiber optics. IEEE's fields of interest expanded well beyond electrical and electronics engineering and computing into areas such as micro- and nanotechnologies, ultrasonics, bioengineering, robotics, electronic materials, and many others. Electronics became ubiquitous, integrated in everything from jet cockpits to industrial robots to medical imaging.

As technologies and the industries that developed them increasingly transcended national boundaries, IEEE has kept pace. It is now a global institution that uses the innovations of the practitioners it represents to enhance IEEE's excellence in delivering products and services to members, industries, and the public at large. Publications and educational programs are delivered online, as are member services such as renewal and elections. By 2020, IEEE comprised over 395,000 members in 160 countries. Through its global network of geographical units, publications, web services, and conferences, IEEE remains the world's largest technical professional organization.

 TOP OF PAGE

Related links

- > [Learn more about IEEE today](#)
- > [Visit the Engineering and Technology History Wiki for more historical information](#)



The professional home for the engineering and technology community worldwide

Search all IEEE websites



[JOIN IEEE](#)

Home > About

Mission & Vision

IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. Below, you can find IEEE's mission and vision statements.

Mission statement

IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity.

Vision statement

IEEE will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions.

> [View the IEEE Strategic plan](#)