



## **IEEE IEMCON 2021** VIRTUAL CONFERENCE

**2021 IEEE 12TH ANNUAL INFORMATION TECHNOLOGY,  
ELECTRONICS AND MOBILE COMMUNICATION CONFERENCE**



# **CERTIFICATE OF BEST PAPER**

THIS IS HEREBY PRESENTED TO

RENATO R. MAALIW III  
SOUTHERN LUZON STATE UNIVERSITY, PHILIPPINES

FOR THE PAPER TITLED  
AN ENSEMBLE MACHINE LEARNING APPROACH FOR TIME SERIES  
FORECASTING OF COVID-19 CASES

IN THE CATEGORY OF  
DATA ANALYTICS AND BIG DATA

AT IEEE IEMCON 2021  
ON 27TH - 30TH OCTOBER 2021  
VANCOUVER, CANADA

**SON VUONG**

General Chair, IEEE IEMCON 2021

**SATYAJIT CHAKRABARTI**

President, SMART Society

## Final Paper Submission: 15th October 2021



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### Welcome to IEEE IEMCON 2021 (Virtual)

Continuing from the outstanding success of **IEEE IEMCON 2020**, we are very proud to present **IEEE IEMCON 2021** which will provide an opportunity for researchers, educators, and students to discuss and exchange ideas on issues, trends, and developments in Information Technology, Electronics, and Mobile Communication. The conference aims to bring together scholars from different backgrounds to emphasize the dissemination of ongoing research in the fields of Computing, Electronics, and Mobile Communication. Research papers are invited describing original work in the above-mentioned fields and related technologies. The conference will include a peer-reviewed program of technical sessions.

Like the previous year, the conference committee decided to conduct this year's IEMCON as a fully online conference. The safety and well-being of our participants are of the utmost importance to IEMCON Committee members. In March 2020 the World Health Organization (WHO) declared Covid-19 a pandemic. After careful consideration and in light of the global health emergency and pervasive travel restrictions, we have made the difficult decision to conduct IEMCON 2021 as a fully virtual conference.

All accepted papers will be presented during the parallel sessions of the conference virtually and the accepted, presented papers will be submitted for publication at **IEEE Xplore® digital library** (Scopus, Science Direct, and Google Scholar).

This conference will also promote an intense dialogue between academia and industry to bridge the gap between academic research, industry initiatives, and governmental policies. This is fostered through panel discussions, keynotes, invited talks and industry exhibits where academia is exposed to state-of-practice and results from trials and interoperability experiments. The industry in turn benefits by exposure to leading-edge research in networking as well as the opportunity to communicate with academic researchers regarding practical problems that require further research.

#### Keynote Speakers at our previous conferences



Prof. Eric Paulos  
(University of California, Berkeley)



Prof. Kevin Leyton-Brown  
(University of British Columbia, Canada)



Prof. Cristina Conati  
(University of British Columbia, Canada)



#### Important Deadlines

<b>Full Paper Submission:</b>	20th September 2021
<b>Acceptance Notification:</b>	7th October 2021
<b>Final Paper Submission:</b>	15th October 2021
<b>Early Bird Registration:</b>	15th October 2021
<b>Presentation Submission:</b>	19th October 2021
<b>Conference:</b>	27 - 30 October 2021

#### Previous Conference

[IEEE IEMCON 2020](#)

#### Sister Conferences

[IEEE UEMCON 2020](#)

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#### Announcements

- Conference Proceedings will be submitted for publication at **IEEE Xplore® digital library**.
- Best Paper Award will be given for each track.
- Conference Record No 53756



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## IEEE at a Glance

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IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community through its highly cited publications, conferences, technology standards, and professional and educational activities.

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

### On this page:

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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.

> [Learn more about communities](#)

## 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.

> [Learn more about IEEE conferences](#)

## 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.

The [IEEE Xplore Digital Library](#) contains more than 5 million documents from IEEE and IEEE journals, transactions, magazines, letters, conference proceedings, and active IEEE standards.

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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®).

> [Learn more about IEEE standards](#)

## 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.

> [Learn more about IEEE educational opportunities](#)

## 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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## Awards

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)

> Learn more about awards

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## About IEEE

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

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> IEEE Mission & Vision

## Locations

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

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> Report cybersecurity concerns to security@ieee.org

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# SMART SOCIETY™

SMART Society™ is a US and Canada based non-profit society with the goal of creating a pool of unique ideas, thoughts in the form of short, power packed talks for propelling others to excel in their respective fields. It will serve as a platform for Makers, Artists, Researchers and Technologists to bring forth their views to the entire world.



## MISSION AND VISION

It is not enough to be compassionate. You must act. – Dalai Lama



Action begins with a desire. Naturally, heartfelt compassion leads to action. The vulnerable and disadvantaged in this world need more than pity—they need to see love to operate selflessly and independently. Our mission is to build an enriched community by touching lives of people globally by our human driven approach of mending lives through our featured videos and live programmes. Our vision is to spread talks of vibrant speakers, individuals you wouldn't have heard from in traditional conferences and perspectives that have not been shared before. Our thinking is less lectures and more personal stories that one can rally behind, empathize with, and learn from.

## OUR FESTIVAL



### INTERNATIONAL INDIAN CULTURAL FESTIVAL





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A brief story about us so far.



## OUR CONFERENCES

A brief story about us so far.



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Learning & Teaching Skills  
(ISSN Number (Online) - 2639-  
7412) (ISSN Number (Print) -  
2638-5546)



Journal of Mathematical Sciences  
& Computational Mathematics  
(JM\$CM)  
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3368) (ISSN Number (Print) -  
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7902) (ISSN Number(Print) - 2689-  
484X)



## KEEP IN TOUCH



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IEEE IEMCON 2021 - Invitation to join the Valedictory Session Inbox x

Sat, Oct 30, 2021, 8:46 PM

X ⌂

**Rajashree Paul** <rajashree.paul@iemcal.com>

to Rajashree, bcc: me ▾



Dear Author,

Thank you for your submission to IEEE IEMCON 2021.

Congratulations! We are very happy to announce that your research paper has been chosen as the best paper as per the reviewers choice and in this regard, we would like to invite you to join the Valedictory session on 30th October 2021 through this link (<https://zoom.us/j/6319961197>) from 1:30 PM – 2:00 PM (PDT-UTC(7)).

Looking very much forward to seeing you there.

Thanks and Regards,

Rajashree Paul  
Technical Co-Chair, 2021 IEEE IEMCON

One attachment • Scanned by Gmail ⓘ

**Renato Racelis Maaliw III** <renatomaaliw3@gmail.com>

to Rajashree ▾

Sat, Oct 30, 2021, 8:57 PM

X ⌂



Wow, after also winning on World AI 2021, Now IEMCON 2021.

Thanks, I will be there.

\*\*\*

Reply

Forward

Research Reviews

**IEEE CONFERENCE COMMON PAPER CRITERIA**
**Selection Criteria**
**Paper Title:** \_\_\_\_\_

**Author(s):** \_\_\_\_\_

**Reviewer:** \_\_\_\_\_

Criteria	Score (0 – 10)	Weight	Total Score
<b>Originality:</b> Originality of contribution to knowledge with an emphasis on the paper's innovativeness in one or more of; (i) theoretical development, (ii) empirical results or, (iii) policy development		40%	
<b>Quality of Argument:</b> Quality of argument incorporating; (i) critical analysis of concepts, theories and findings, and (ii) consistency and coherency of debate		30%	
<b>Positioning:</b> Clear positioning of paper in existing international literature with a conclusion(s) that is both convincing and of significant potential		15%	
<b>Writing Style:</b> Quality of writing style in term of accuracy, clarity, readability, and organisation of the paper		15%	
<b>TOTAL SCORE</b>			