

IEEE Day 2020 - 6 October



Celebrating the First time in history when engineers gathered to share their technical ideas in 1884



SAVE THE DATE

6 October 2020

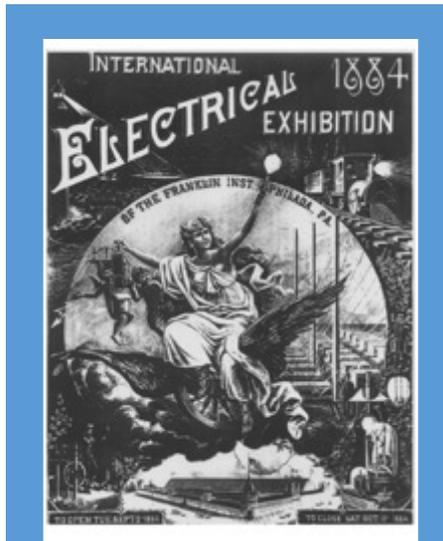




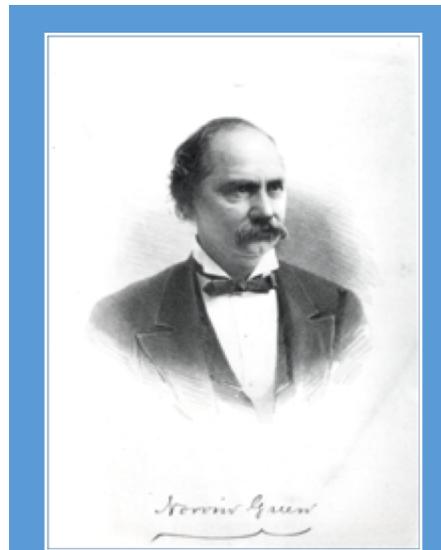
- ▶ With a theme of “*Leveraging Technology for a Better Tomorrow*”, IEEE Day celebrates the first time in history when engineers worldwide gathered in 1884 to share their technical ideas.
- ▶ While the world benefits from what’s **new**, IEEE focuses on what’s **next**.
- ▶ Activities worldwide demonstrate the multiple ways thousands of IEEE members in local communities in one hundred and sixty countries join together to collaborate on ideas that leverage technology into a better tomorrow.

1884: The American Institute of Electrical Engineers is founded

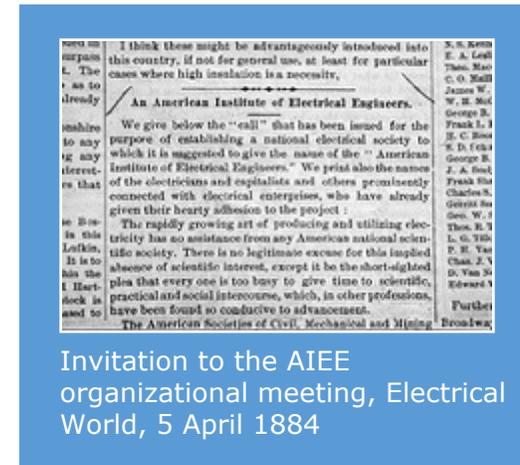
A small group of individuals met in New York and founded the AIEE to advance the new field and represent the US at the 1884 International Electrical Exhibition in Philadelphia. Norvin Green of Western Union became the first president.



Program of the 1884 International Electrical Exhibition, Franklin Institute, Philadelphia



Norvin Green, President of Western Union Telegraph and first president of the AIEE



Invitation to the AIEE organizational meeting, Electrical World, 5 April 1884



IEEE Day in a Box



“IEEE Day in a Box”

Volunteer Planning Kit

6 OCTOBER 2020

Find out more at: <https://ieeeday.org/>

Virtual Tips Included!





Celebrate with Downloads

- ▶ T-shirts
- ▶ Logos
- ▶ Backgrounds for WebEx and Zoom
- ▶ Banners
- ▶ Posters
- ▶ Laptop skins

- ▶ Available for download at www.ieeeday.org

IEEE Day WebEx and Zoom Background



WebEx automatically shows you a mirrored preview of your video and background, but to other attendees in the meeting, the image will show correctly.



A New Badge on Collaboratec Celebrates IEEE Day

GT IEEE Collaboratec™
Uniting the IEEE Global Technical Community

IEEE
Advancing Technology
for Humanity

IEEE Day celebrates IEEE members and volunteers, an opportunity to unite IEEE's technical community globally.

To that end, we are pleased to announce a special badge will be available to commemorate our 2020 celebration.

On 5 October, log-into the [IEEE Day community](#) to get started.

**IEEE Day 2020
Badge!**

Available 05 October

The badge is a green shield-shaped emblem with a white border. Inside the shield, there is a white circular graphic of people holding hands, with the year "2020" in the center.



Membership Discounts

New and rejoining Professional members will receive a \$30.00 discount off their membership with the codes and coupons at The IEEE Day Website.



Stay connected with all of the great events and activities planned for **IEEE Day-6 October 2020.**

Engage with IEEE Day:
ieeeday.org

IEEE DAY 2020

JOIN & SAVE \$30

For New Professionals Only, Not for Student Membership

Come be a part of the world's largest technical community leveraging technology for a better tomorrow! Join IEEE between 4 October and 10 October 2020 and receive US \$30 off your first-year membership!

To Join IEEE and receive the discount:

1. Go to iee.org/join by 10 October 2020.
2. Fill in the name and member number of the member who referred you (if applicable).
3. Enter code **IEEEDAY20** in the Promotion Code Field.

Note: Cannot be combined with other offers, incentives, or special circumstance discounts.

Earn Member Get a Member Awards!

Recruiter Name:

Recruiter Member #:

Join us in celebrating IEEE Day which commemorates the first time IEEE members gathered to share their technical ideas in 1884.



Join our IEEE Day Community
<http://bit.ly/IEEEDayCommunity>



IEEE DAY 2020

JOIN & SAVE \$30

For New Professionals Only, Not for Student Membership

Come be a part of the world's largest technical community leveraging technology for a better tomorrow! Join IEEE between 4 October and 10 October 2020 and receive US \$30 off your first-year membership!

To Join IEEE and receive the discount:

1. Go to iee.org/join by 10 October 2020.
2. Fill in the name and member number of the member who referred you (if applicable).
3. Enter code **IEEEDAY20** in the Promotion Code Field.

Note: Cannot be combined with other offers, incentives, or special circumstance discounts.

Earn Member Get a Member Awards!

Recruiter Name:

Recruiter Member #:



Double Points for Referrals

Members get Extra Points for Referrals

Recruit a Member – Get Rewarded!



Save on Signal Processing Society

Celebrate IEEE Day with the IEEE Signal Processing Society! Join SPS now through 15 October 2020 and receive **50%** off your 2021 membership! Professional members can use the promo code **IEEEDAYSP50** to receive half off their Essential package. Students save on the Preferred package with promo code **IEEEDAYSPSTU50**. [Visit our website](#) to learn more about how SPS can help you unlock your potential!



Save 50% on SPS Membership!

Celebrate IEEE Day with the
IEEE Signal Processing Society!

SPS Professional Essential membership

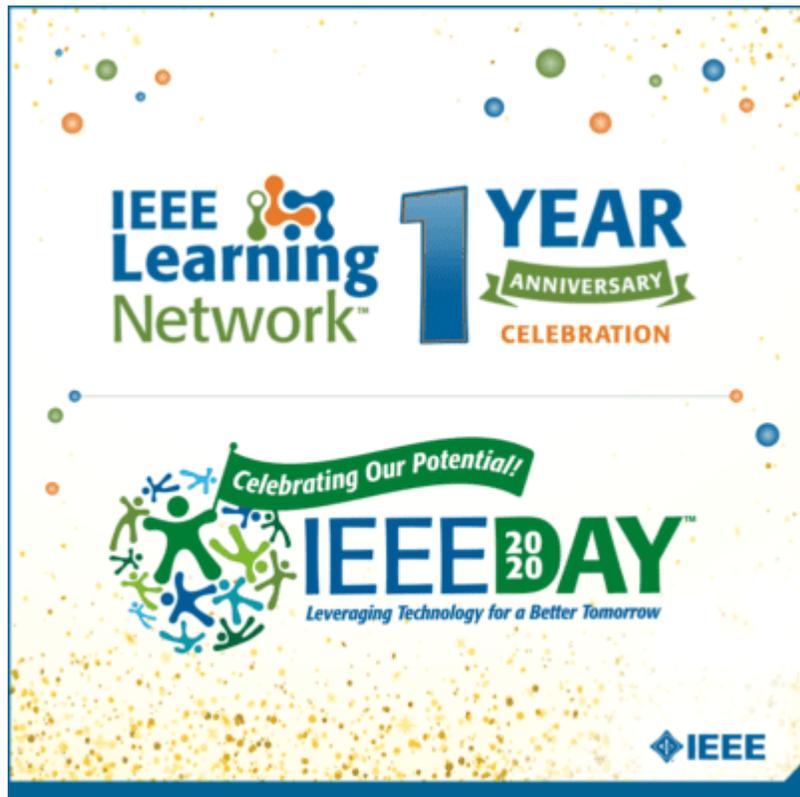
Use code: **IEEEDAYSP50**

SPS Student Preferred membership

Use code: **IEEEDAYSPSTU50**

Join today and receive service
through 31 December 2021!

Offer expires 15 October 2020



Special Price for ILN Courses

- ▶ All *active* IEEE members can take advantage of this **special** ILN offer:
- ▶ **Use the Promo Code ILNIEEE2020 to get 10 courses for US\$10 each:**
 - ▶ [Discover 5G](#)
 - ▶ [Leadership Development for Technical Professionals](#)
 - ▶ [The Basics of Finite Element Method](#)
 - ▶ [Enterprise Blockchain Overview](#)
 - ▶ [Evolution of Intelligent and Autonomous Vehicles](#)
 - ▶ [Intelligent Control of Connected and Automated Vehicles](#)
 - ▶ [Design and Implementation of Cooperative Learning](#)
 - ▶ [System Fundamentals for Cyber Security](#)
 - ▶ [IEEE English for Engineering: Speaking Introductory Level](#)
 - ▶ [Responsible Innovation in the Age of AI](#)
- ▶ The Offer is valid from **1 September 2020** till **31 October 2020**



Discounts on BLP Courses

All IEEE members and Non-IEEE members can take advantage of this special BLP offer:

Use the Promo Codes:

IEEE Members 50% – **IEEEDAYBLP50**

Non Members 30% – **IEEEDAYBLP30**

- ▶ [Embedded Computing for IoT Systems](#)
- ▶ [Embedded Sense for IoT Systems](#)
- ▶ [Embedded Linux for IoT Systems](#)
- ▶ [Cloud Computing for IoT Systems](#)
- ▶ [Mobile Application Development](#)
- ▶ [Innovation Management and Intellectual Property](#)

The Offer is valid from **15 September 2020** till **15 October 2020**

IEEE BLP Celebrating IEEE Day
Get #IEEEIoTBLP courses on 50% off for IEEE Members & 30% for Non-Members

50% OFF

IoT

IEEE blended learning PROGRAM
Learn – Apply – Build™

IEEE DAY 2020
Leveraging Technology for a Better Tomorrow

For more details contact: support-blp@ieee.org



15% Discount on 5G Course

Online Course via WebEx

Emerging Optical Communications Technologies for 5G

Thursday, 8 October 2020
10:00 a.m. – 2:00 p.m. EDT

Visit www.comsoc.org/training to register.

Use promo code **IEEEDAYCOM15** for a 15% discount.

IEEE COMSOC TRAINING | IEEE ComSoc | IEEE DAY

ComSoc is celebrating IEEE Day by offering all members 15% off the registration fee for the 8 October 2020 online course, “[Emerging Optical Communication Technologies for 5G](#)” when you use promo code **IEEEDAYCOM15**. This special IEEE Day savings will be applied in addition to your member discount for this course!

IEEE Day 2020



New: Introducing Virtual Events

The IEEE Day 2020 will encourage virtual events as a great way to attract new members and encourage old members to check out different societies:

- Webinars (IEEE related, technical or humanitarian)
- Interactive Events (technical discussions, seminars and workshops / online social gatherings and games)
- shared videos and virtual tours
- online shared readings (articles or presentations)



Partnering to Conduct Virtual events

Consider the following:

- Contact your Region Lead through
 - <https://ieeeday.org/contact-us/>
- Assembling a virtual team for larger efforts
- Working with local IEEE groups or local organizations to engaging a guest speaker, enlist sponsors for virtual events
- **IEEE Day Toolkit** for posters, banners, T shirt design etc
- Participate in Crowdfunding to collect donations in support of IEEE donor-supported programs through IEEE Foundation.

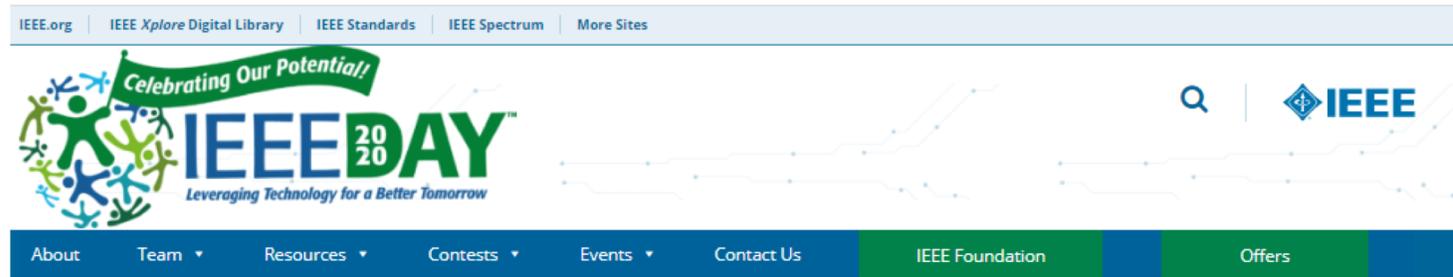
Event Submission

Focus on Virtual events

- Event Submission is now live.
- Submit your events at <https://ieeeday.org/submit-event-2020/> in Educational, Humanitarian, Social, Technical & IEEE related categories.
- Events Submission can be done by OU representatives
- Need Active IEEE account to submit an event
- Only virtual events are encouraged this year.
 - Live Webinars, Recorded Lectures, Informative Videos, Articles & Resources etc.
- Events are moderated and shown on IEEE Day website after 48 hours

Event Submission

▸ Viewing the events



IEEE Day 2020 Virtual Events

Show entries

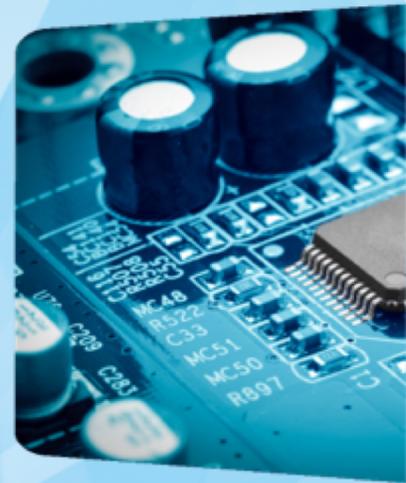
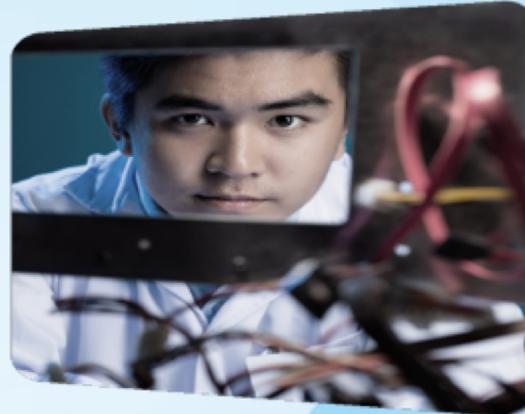
Search:

Title	Description	URL	Type	Category	Date	Organizer
example event	Description: dada Maximum Attendance: 213	https://www.ieeeday.org	Pre-recorded Webinar/Lecture	Humanitarian IEEE Technical	Starts: Tue 06 Oct 2020 12:00 AM Ends: Tue 06 Oct 2020 11:59 PM	Region 1 (Northeastern US) Section: sad OU: sadas

Event Idea: Senior Member Panels



- Purpose is:
 - to help potential senior members find references for their application.
 - to introduce senior membership to prospective applicants
- Information about Senior membership along with the call to submit Resumes is disseminated to potential senior member applicants.
- Section selects a panel of qualified references that meets with the prospective senior members virtually, reviews their resumes and provide them references
- Panel details:
 - One member to act as Panel head
 - Panels can be scaled as per the application count
- Resources will be shared on Membership Development Volunteers Community on IEEE Collabratec



IEEE Senior Member Virtual Reference Panel

How to guide



Event Idea: Crowdfunding Opportunities

Crowdfunding is a way to raise money for IEEE donor-supported programs

IEEE Foundation

- ❓ To support virtual events, the IEEE Day/IEEE Foundation Crowdfunding page is up and ready
- ❓ IEEE humanitarian programs rely on donor support to continue and enhance their programs



- An individual or IEEE group may choose to celebrate IEEE Day by collecting donations, leveraging social media, through Crowdfunding
- Each participant can choose a specific IEEE donor-supported program they'd like to raise funds for – or they can support the IEEE Foundation overall.
- Contact donate@ieee.org for more information to launch your campaign



As We Work and Learn from Home...

Why Digital Literacy Matters

Free Online Event
8 October 2020
6:30-8PM EDT

bit.ly/IEEECooper_DigitalLiteracy



IEEE
TechEthics





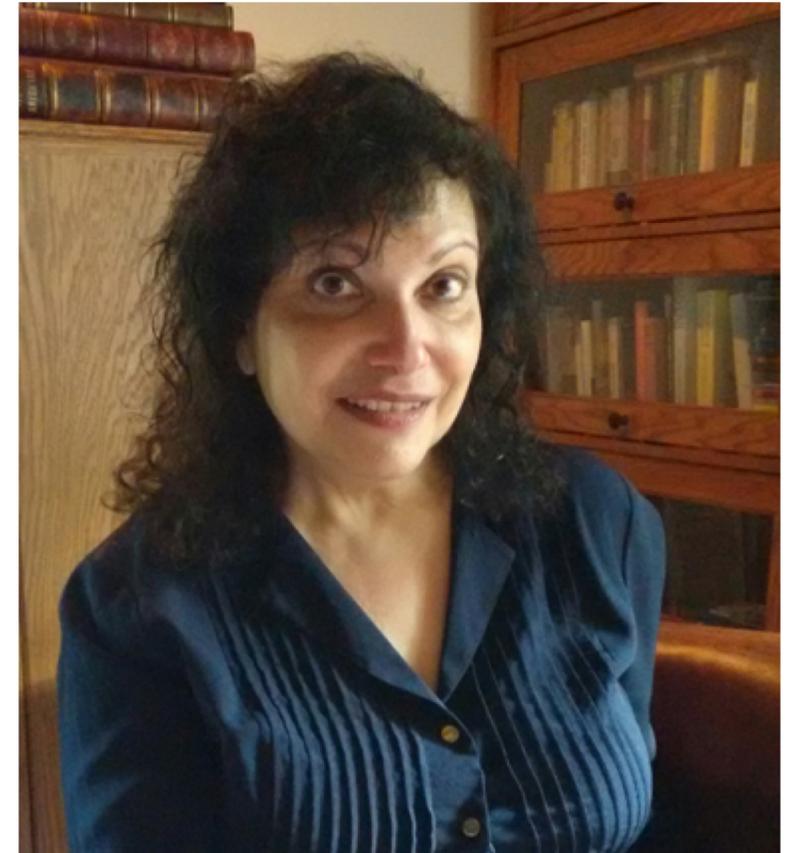
A Crazy Idea or the Future?

History Center's special Keynote Lecture!

This **special** History Center offer is valid to *everyone*:

Historian Dr. Lisa Nocks will give a Keynote Lecture titled "*Does Science Fiction Influence our Technical and Social changes?*" as part of a FREE conference sponsored by the IEEE Southeastern Michigan Section

The Lecture will be held on **10 October 2020** from **11:30am** till **5:30pm** US/Michigan Time





Expanding Ethics for an Evolving World

Tech Policy: Helping Leverage Technology for a Better Tomorrow



IEEE
TechEthics

Free Online Event
6 October 2020
3-4PM EDT (GMT -4)
bit.ly/TechEthicsOct2020



EMC Society Day of Presentations

Speaker: Prof. Liang Zhou

Abstract: HPEM Threats, Modeling and Analysis for RF Devices/Circuits Breakdown under Intentional Electromagnetic Interference (IEMI)



[SIGN UP FOR IEEE DAY](#)
[OCTOBER 6, 2020 • 6AM - 7:30 AM EDT](#)



In the past few years, special attention has been focused on intentional electromagnetic interference (IEMI) effects on communication systems. High power electromagnetics (HPEM), as it is sometimes known, "EM Terrorism," is a new area of concern for public and commercial interests. Transceivers can be easily interfered with and their RF devices/circuits can be damaged under IEMI. In this talk, the electro-thermal-stress (E-T-S) multi-physics method is used to analyze the interactions of RF devices and electromagnetic pulses. It has been found the parameters of the electromagnetic pulse such as widths, numbers and repetition frequencies affect the thermal and stress of the RF devices. The device breakdown phenomena are observed under a scanning electron microscope (SEM) where the crack curve due to unrecoverable deformation in the device is displayed. TVS diodes and protection circuits are used in order to protect the RF devices. Simulation, measurement, and calculations show some correlations.

EMC Society Day of Presentations

Speaker: Dr. D. V. Giri

Abstract: Short Pulse Technologies with Illustrative Applications



[SIGN UP FOR IEEE DAY](#)

[OCTOBER 6, 2020 • 11 AM - 12:30 PM EDT](#)



Parabolic mirrors are useful in radiating impulse-like waveforms. The antenna subsystem consists of a paraboloidal-reflector illuminated by a pair of conical transmission lines. Because of the spherical TEM feed, this antenna is non-dispersive. For an applied fast-rising voltage function, the radiated electric field spectrum is flat over two decades of frequencies. Some fundamental differences between frequency independent antennas (ex: log-periodic dipoles) and the present non-dispersive time-domain antennas will be discussed. Familiar concepts such as antenna gain and radiation pattern need to be redefined for time-domain antennas. Design, fabrication, working principles and performance of this class of antennas are discussed. Such a radiating system has resulted in an emerging technology with many military and civilian applications, some of which will also be

EMC Society Day of Presentations

Speaker: Dr. Bhyrav Mutnury

Abstract: High-Speed Signal Integrity Challenges and Opportunities for Next Generation Technologies



The challenges associated with high-speed signal integrity (SI) are becoming exponentially complex with the doubling of signal speeds every generation. In this presentation, high-speed server design is used as an example to demonstrate the next generation SI challenges and potential opportunities to overcome these challenges. The presentation covers basics of SI, high-speed interconnects, analog and digital equalization and high-speed challenges beyond 25 Gbps.

[SIGN UP FOR IEEE DAY](#)

[OCTOBER 6, 2020 • 1:30 - 3 PM EDT](#)

IEEE Day IEEE.tv Channel



▶ <https://ieeetv.ieee.org/channels/ieee-day>

Is 5G Here Yet?



*Lola Awoniyi-Oteri, PhD.
Wireless R&D,
Qualcomm Technologies Inc*

IEEE Industry
Engagement
Committee

IEEE
Advancing Technology
for Humanity

IEEE DAY Industry Webinar

☆☆☆☆☆ 110 views

⌂ Download ↗ Share



IEEE BTS PULSE (completely virtual event)

October 6-8, 2020, 9:30am - 11:30am ET each day

Get vital industry questions answered by top experts during a three-day virtual event hosted by the IEEE Broadcast Technology Society.

Oct 6 - 5G & Broadcasting: Session Chair Peter Siebert, Broadcast Industry Advisor

Oct 7 - ATSC 3.0 Implementation and Roll Out: Session Chair Madeleine Noland,
President ATSC

Oct 8 - Broadcast Disaster Preparedness: Session Chair Guy Bouchard, Director of
transmission systems at Télé-Québec

Registration Link - <https://lnkd.in/dSrWBD6>

Event Link - <https://lnkd.in/dwuvvcCQ>

A purple and blue gradient banner for the IEEE Brain Workshop. On the left is a white wireframe brain icon. The text "IEEE BRAIN WORKSHOP on Advanced NeuroTechnologies" is in white, with "Virtual • October 22-23, 2020" below it. On the right, the "IEEE brain" logo is in red and white, and the IEEE logo is in white at the bottom right. The background has horizontal lines that fade into the distance.

IEEE BRAIN WORKSHOP
on Advanced
NeuroTechnologies
Virtual • October 22-23, 2020

IEEE brain

IEEE

Discounts help learn more about how our brains work.

IEEE Day Contests: Photo & Video



IEEE Day Photo Contest

All entries should depict virtual events



- IEEE Foundation Category:
 - Crowdfunding events, events surrounding foundation's four pillars (Illuminate, Educate, Engage, Energize), highlighting donor-supported IEEE programs (e.g. IEEE History Center's Milestones)
- Technical Category
 - The Entry should depict a virtual technical activity
- Social Category
 - The Entry should depict a virtual social activity/ gathering organized by IEEE members

IEEE Day Video Contest

60 second innovation contest



- Submit a video addressing a real world problem in 60 seconds
- Video should mention the problem and a workable solution to the problem that creates an impact.
- Submit a 100 word write up with the video
- Categories:
 - Humanitarian
 - The Entry should address a humanitarian issue and propose a viable and implementable solution.
 - Technical
 - The Entry should address areas where technology can help in the unprecedented times

IEEE Day Contests

- ▶ Dates to remember



Contest Submission Starts	23rd September 2020 00:00 UTC
Contest Submission Ends	17th October, 2020 11:59 PM UTC
Voting Begins	18th October 2020 00:00 UTC
Voting Ends	27 October 2020, 11:59 PM UTC.

IEEE Day Contests

► Prizes



	Video Contest Categories	
	Humanitarian	Technical
<i>1st Place</i>	USD 1,000	USD 1,000
<i>2nd Place</i>	USD 300	USD 300

	Photo Contest Categories		
	IEEE Foundation	Social	Technical
<i>1st Place</i>	USD 500	USD 500	USD 500
<i>2nd Place</i>	USD 250	USD 250	USD 250

IEEE Brand Experience



Our brand is much more than our logo



Learn more!

Join us on IEEE Day-6 Oct 2020

IEEE Brand Experience



Our brand is a promise



Learn more!

Join us on IEEE Day-6 Oct 2020

IEEE Brand Experience



Our brand is an asset



Learn more!

Join us on IEEE Day-6 Oct 2020

IEEE Brand Experience



Our brand reaches across the globe



Learn more!

Join us on IEEE Day-6 Oct 2020

IEEE Brand Experience



Protecting the brand protects our future



Learn more!

Join us on IEEE Day-6 Oct 2020





Don't forget to paper Social Media with both announcements and reports of your activities. Include any legitimate IEEE-related SM Account.

questions



Contact: ckelly@ieee.org

Website: <https://ieeeday.org/>

www.twitter.com/ieeeday

www.facebook.com/ieeeday