

2020 Milestones

A Year of Forging New
Connections and Advancing
Science and Technology

Contents



- 1** Responding to Covid-19
- 3** Advocating for Research and Building the Workforce
- 4** Serving Industry
- 5** Celebrating the Community

Responding to COVID-19

OSA is meeting the needs of our

432,000
customers and

22,000+
members

from more than
100 countries

FREE VIRTUAL CONFERENCES AND WEBINARS

90,000+
registrants

119
countries

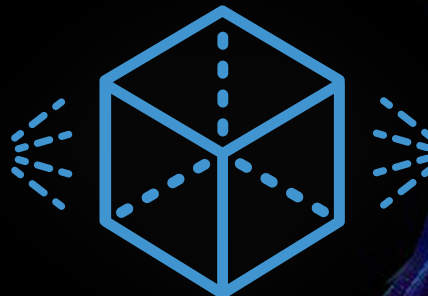


115
community-driven
webinars
on scientific, business and
professional development topics

WE ARE ON

OSA FOUNDATION UV-C DECONTAMINATION CHAMBER PROJECT

OSAF provides 30 grants to Student Chapters to install UV-C Decontamination Chambers in low-income countries to sterilize personal protection equipment. 2009 OSA President Thomas Baer, Stanford University, USA, leads the research team that developed the chambers. The chapters worked in partnership with local hospitals in Brazil, Ethiopia, India, Mexico and Ghana.



Responding to COVID-19

FOUNDATION

OSAF distributes 75 professional Zoom accounts to student chapters to stay connected. Two thousand one hundred events hosted.

10,500
people connected



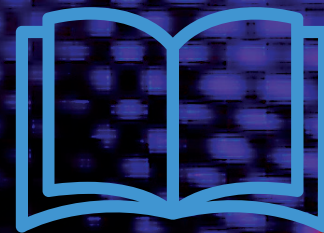
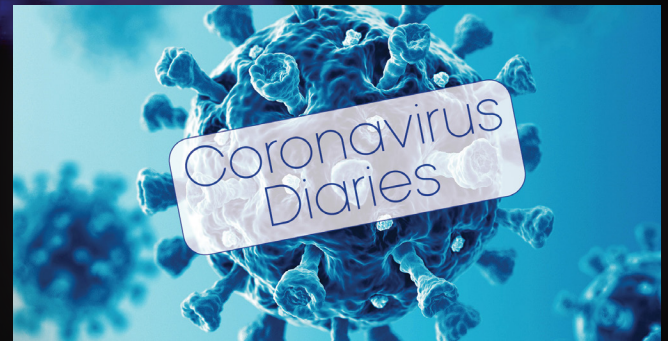
#ILLUMINATEWITHOPTICS

"Optics is Illuminating the Path Forward" social media campaign highlights optical technologies detecting and tracking COVID-19 and sequencing the virus genome.

98,000+
impressions

OPN CORONAVIRUS DIARIES

Nine-part series of discussions with OSA members on how the pandemic affected their lives and work.



OSA PUBLISHING

Implements measures to support authors, editors and customers during the pandemic.

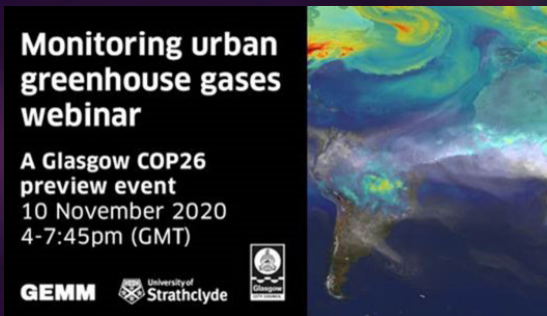
- Enacts federated access to assist libraries/users with bandwidth issues.
- Provides educators a way to acquire the rights to use OSA Publishing copyrighted materials in their distance learning models.
- Works with authors on timely publication of articles and extended time for peer review.
- Adjusts delivery mechanism of print copies of subscription journals to minimize delays.

Advocating for Research and Building the Workforce

OSA advocacy contributes to U.S. government funding of research and development.

**USD
500 million**
for quantum research

Members advocate for U.S. Congressional Optics & Photonics Caucus and funding for scientific research during virtual Capitol Hill meetings.



Global Environmental Measurement and Monitoring Initiative, supported by OSA and AGU, launches regional centers and greenhouse gas (GHG) air quality sensor network in Glasgow, Scotland.

WORKinOPTICS.com connects employers, job seekers and consultants within the optics and photonics community.



OSA membership develops new 5G Webinar series and Global Engineer Week programs with

2,000+ registrants



OSA hosts first virtual Career Fair to expand industry member engagement.

OIDA hosts two virtual Technology Showcases featuring member companies and their innovative products as in-person exhibits are canceled due to the pandemic.

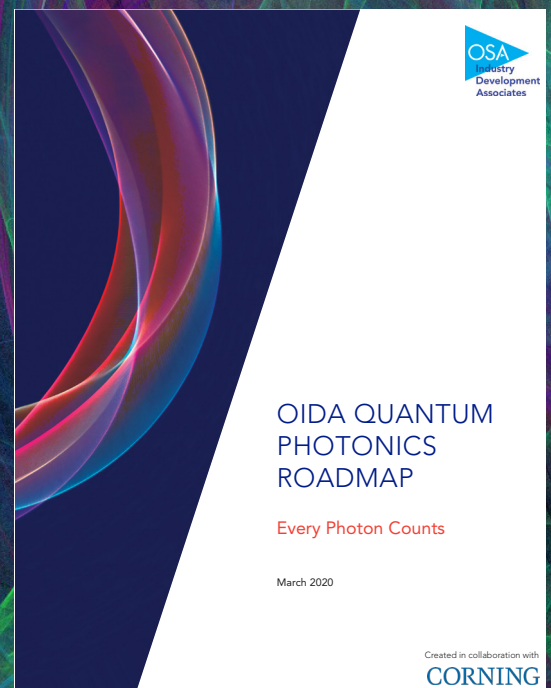


“As companies embrace new engagement strategies in a virtual environment, they recognize this format allows for substantive presentations and networking opportunities to support their business objectives.”

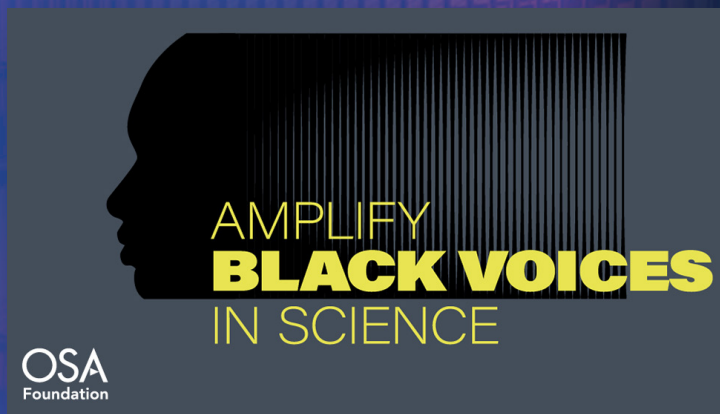
Simin Cai, OIDA Council Chair and President and CEO, Go!Foton, USA

OIDA *Quantum Photonics Roadmap: Every Photon Counts* clarifies applications for quantum technologies and components needed for commercialization.

The roadmap is a free comprehensive guide for the optics and photonics community. Special event webinar on roadmap during CLEO 2020.



Celebrating the Community



- OSA authors racial and social justice statements, launches *Amplify Black Voices in Science* campaign featuring Commit to Change resource web page and participates in #ShutDownSTEM Day.
- OPN includes content that highlights equity in STEM and OSA Publishing launches feature issue that focuses on Optics in Africa.
- The Diversity, Equity and Inclusion Rapid Action Committee (DEI RAC) was established to develop recommendations to support and increase the presence of black scientists and engineers in optics and photonics.
- The 2016-2020 Ambassadors launched and managed the Equity in Optics and Photonics Scholarships fundraising campaign.



41,000
visits to lightday.org



400,000
impressions



- OSA leads multi-society celebration of International Day of Light emphasizing importance of light science and technology to society (#seethelight) (16 May).
- The society salutes women in optics and photonics during International Day of Women and Girls in Science (11 February).
- 50 Years of Light Speed Connections at OFC 2020 — special keynote presentation by Dave Welch, Executive VP, Infinera; Timeline of Innovation Booth and John Tyndall Award Exhibit.
- 60 Years of Laser Innovation celebration at CLEO 2020.

