



Burns

## Understanding Ethics in Publishing

Ethics has implications in all aspects of our lives—and scientific publishing is no exception. The pressures to publish can lead to shortcuts such as plagiarism and data manipulation; the pressures of competition can lead to implicit or explicit bias; the pressure to achieve a high Impact Factor can lead to manipulation of the peer review system and citation practices.

To provide a better grip on these issues, Optica and Optica Publishing Group sponsored a recent webinar, “Understanding Ethics in Publishing,” featuring **Stephen A. Burns**, the chair of Optica Publishing Group’s Editorial Ethics Subcommittee. Burns offered insight on the ethical obligations of all participants in the publishing process, summarizing some of the types of misconduct encountered by journal editors as well as how these are dealt with to ensure the reliability of the scientific record. Optica Publishing Group Executive Editor **Alison Taylor** and Senior Publisher **Kelly Cohen** presented two case studies that participants discussed in breakout groups and summarized at the end of the session. See the recorded webinar at [optica.org/ethics\\_webinar](https://optica.org/ethics_webinar).

## Three New Editors-in-Chief Named

Optica Publishing Group is pleased to announce the appointment of new editors-in-chief of three of the society’s premier journals.

Optica Fellow and 2013 Adolph Lomb Medal recipient **Andrea Alù** (*Optical Materials Express*) is the founding director of the Photonics Initiative at the CUNY Advanced Science Research Center, Einstein Professor of Physics at the CUNY Graduate Center, and a

professor of electrical engineering at The City College of New York, USA. He previously served as an associate editor for *Optics Express* for six years.

Optica Fellow **Olga Korotkova** (JOSA A), a professor in the physics department at the University of Miami, USA, has been active on various Optica conference program committees, and also served for six years as a topical editor for *Optics Letters* and as an associate editor for *OSA Continuum* (now called *Optics Continuum*).

Optica Fellow **Ruikang Wang** (*Biomedical Optics Express*) is a professor with appointments in bioengineering and ophthalmology and directs the Biophotonics and Imaging Laboratory at the University of Washington, USA. He served as an associate editor on the founding editorial board of *Biomedical Optics Express* and has been active on program committees for Optica’s Biophotonics Congress.



## Jarrahi Wins Prestigious Engineering Prize

Congratulations to Optica Fellow **Mona Jarrahi**, University of California, Los Angeles, USA, who has been awarded the 2021 A F Harvey Engineering Research Prize from the Institution of Engineering and Technology (IET) in the United Kingdom. The prize goes to Jarrahi in recognition of her “outstanding contributions to research in the field of radar and microwave engineering,” particularly in microwave and terahertz optoelectronic devices to facilitate communications, remote sensing and imaging in “under-utilized parts of the electromagnetic spectrum.”

The Harvey Prize—awarded to “phenomenal researchers working in the fields of radar and microwave, lasers and optoelectronics, or medical engineering”—carries a cash award of £350,000 (approximately US\$467,000). Jarrahi will use those funds to advance her team’s research in the building blocks of next-gen terahertz systems. She will present her research in a virtual lecture hosted by the IET on 17 March 2022; more information is available at [theiet.org](https://theiet.org).

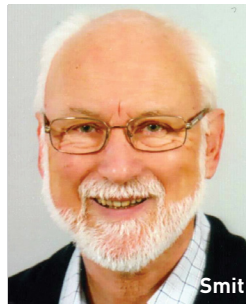


Jarrahi  
UCLA Samueli School of Engineering

## 2022 John Tyndall Award

Optica and the IEEE Photonics Society have named **Meint Smit**, Eindhoven University of Technology, Netherlands, the 2022 John Tyndall Award recipient. Smit was cited for “leadership in building a photonic integration ecosystem, and pioneering contributions to key photonic devices including the arrayed waveguide grating.”

A top honor in the fiber optics community, the Tyndall award recognizes an individual who has made pioneering, highly significant or continuing technical or leadership contributions to fiber optic technology. It is named after John Tyndall, the 19<sup>th</sup>-century scientist who was the first to demonstrate the phenomenon of total internal reflection.



Smit



Cai

## Optica Fellow Stories: Yi Cai

The stars in the night sky inspired 2020 Fellow Yi Cai to pursue science. He has found similar stimulation in unlikely places throughout his career, like the sound of an airplane or music played on a college campus. Yi encourages young scientists to stay curious and preserve their imaginations. Learn more about Yi and other Optica Fellows at [optica.org/fellowprofiles](https://optica.org/fellowprofiles).



White

## DiversiWiki Edit-a-Thon

Wikipedia is the fifth-most-visited website on the planet—so representation there matters. Unfortunately, groups underrepresented in science also are underrepresented on Wikipedia. To help address that disparity, Optica organized a virtual “edit-a-thon” on 3 December 2021, in which a group of online participants learned how to strengthen existing pages or create new content on underrepresented people in science for this important platform.

The event kicked off with a short training session, in which **Alice White**, the digital editor and Wikipedian-in-residence at the Wellcome Trust, UK, walked the online participants through some tips on how to begin

and on creating strong pages. Then, the participants spent two hours building or editing Wikipedia pages, translating content to strengthen weak or “stub” pages in languages other than English, and creating content for Simple English Wikipedia, a project aimed at children and adults who are learning English.

Since 2019 Optica has organized six DiversiWiki programs, resulting in 57,000 words added, 624 references added, 241 articles edited and 25 articles created on Wikipedia—with more than a million views on the affected pages. Additional sessions are coming in 2022; visit [optica.org/diversiwiki](https://optica.org/diversiwiki) for more information.

## Spotlight—Women in Industry

Optica Corporate Membership’s Women in Industry feature spotlights both emerging and seasoned Optica corporate members by engaging with them in a short Q&A. This month, **Jessica DeGroote Nelson**, Director of Technology and Strategy, Optimax Systems, Inc., says, “It is OK to reinvent yourself. I recently overheard someone tell a group of students, ‘don’t be afraid to reinvent yourself every five years.’ I think this is excellent advice, as life should be all about following your passions and your dreams, and it is OK if those dreams change over time!” Read more at [optica.org/1221\\_imnews/#5](https://optica.org/1221_imnews/#5).



Nelson

## Optics and Photonics Market: What's Ahead

As 2022 dawned, the world economic outlook remained obscure, with headlines warning of ongoing pandemic-related supply-chain disruptions, incipient inflation, new viral variants, a potentially overpriced stock market and more.

What does all of this mean for the optics and photonics industry as it moves through the coming year? Optica Senior Industry Advisor **Tom Hausken** provided some answers and best-guesses in a webinar on why the industry has done so well amid the pandemic so far—and what to expect for the market in 2022.



Getty Images

In the talk, Hausken noted that the industry fared better than the most dire predictions suggested in the pandemic's first two years, as key factories remained open worldwide, government stimulus plans helped sustain demand and company valuations on stock markets soared. For global photonics production, "there was a dip [in 2020] compared with what you might have expected in a normal year," he said, "but not as much as you might have thought, given the scale of this phenomenon that happened globally." As a result, he says, as 2022 begins "it looks like we'll be approximately on track with where we would have been [without the pandemic]—and that's better than the US economy."

Hausken did acknowledge that shortages of parts and workers will continue into 2022, and "that's a big concern." He also discussed the prospects for a number of hot areas, such as integrated photonics, biomedical sensors (including for COVID-19), AR/VR, quantum, metamaterials and lidar.

To view the recorded webinar, visit [optica.org/1221\\_market\\_update](https://optica.org/1221_market_update).



OFC

## 2022 Executive Forum at OFC

Optica's Executive Forum, at the OFC Conference, is the premier industry event for leaders in optical networking and communications. The forum features C-level panelists in an informal, uncensored setting, discussing the latest issues facing the industry. In the session coming on 07 March in San Diego, CA, USA, leaders from top companies will discuss critical technology advancements and business opportunities that will shape the network in 2022 and the future. It's a great opportunity to tap the wisdom of the industry's senior execs—to learn, connect and inquire. To register, visit [optica.org/2022\\_exec\\_forum](https://optica.org/2022_exec_forum).

## Thank You, Editors

We are happy to announce that the following individuals were recently appointed as new editors: *Applied Optics*—**Muhammad Nadeem Akram**, University of Southeast Norway, Norway (as Deputy Editor). *Biomedical Optics Express*—**Junle Qu**, Shenzhen University, China. *JOSA B*—**Quan Sheng**, Tianjin University, China. *Optica*—**Laura Waller**, University of California, Berkeley. *Optics Express*—**Hannah Joyce**, University of Cambridge, UK; **Thomas Murphy**, University of Maryland, College Park, USA (as Senior Deputy Editor); **Fabian Rotermund**, KAIST, South Korea (as Deputy Editor); **Andreas Velten**, University of Wisconsin-Madison, USA. *Optics Continuum*—**Jacquiline Romero**, University of Queensland, Australia. *Photonics Research*—**Nan Chi**, Fudan University, China; **Chao Lu**, The Hong Kong Polytechnic University, Hong Kong.

We would like to thank the following editors for agreeing to serve a second term: *JOSA A*—**Jinli Suo**, Tsinghua University, China. *Optics Express*—**Javier Hernandez-Andres**, University of Granada, Spain; **Vladislav Yakovlev**, Max Planck Institute of Quantum Optics, Germany. *Optics Letters*—**Francesca Parmigiani**, Microsoft Research Cambridge, UK; **Andriy Shevchenko**, Aalto University, Finland; **Quing (Ching) Zhu**, Washington University, St. Louis, USA.

We would like to thank the following editors, who have recently finished their terms, for their years of service: *Applied Optics*—**Geoffrey Cranch**, Naval Research Laboratory, USA (as Deputy Editor); **Mohammad Sabaeian**, Shahid Chamran University of Ahvaz, Iran. *JOSA B*—**Wei Shi**, Tianjin University, China. *Optics Express*—**Chris Dainty**, UCL, UK (as Senior Deputy Editor); **Christian Kränkel**, University of Hamburg, Germany; **Changhui Li**, Peking University, China; **YongKeun (Paul) Park**, KAIST, South Korea; **Clara Saraceno**, Ruhr University Bochum, Germany; **V R Supradeepa**, Indian Institute of Science, India. *Optics Letters*—**Gabriella Cipparrone**, University of Calabria, Rende, Italy; **Goëry Genty**, Tampere University of Technology, Finland; **Osamu Matoba**, Kobe University, Japan.

# Optica Events

Many Optica events will be presented in a hybrid format, a combination of in-person and virtual components.  
Check event websites to confirm presentation format.

## OFC Conference and Exhibition

Co-Sponsored by IEEE Communications Society, IEEE Photonics Society and Optica  
06–10 March 2022  
San Diego, CA, USA  
[www.OFCConference.org](http://www.OFCConference.org)

## High-Brightness Sources and Light-Driven Interactions Congress

23–25 March 2022  
Budapest, Hungary  
[optica.org/HighBrightnessOPC](http://optica.org/HighBrightnessOPC)

## Biophotonics Congress: Biomedical Optics

24–27 April 2022  
Fort Lauderdale, FL, USA  
[optica.org/Biomed](http://optica.org/Biomed)

## Career Accelerator

01–05 May 2022  
Pacific Grove, CA, USA

## CLEO Conference and Exhibition

Co-Sponsored by American Physical Society, IEEE Photonics Society and Optica  
15–20 May 2022  
San Jose, CA, USA  
[www.CLEOConference.org](http://www.CLEOConference.org)

## Innovation School

12–17 June 2022  
Washington, DC, USA

## Optical Interference Coatings Conference

19–24 June 2022  
Whistler, BC, Canada  
[optica.org/OIC](http://optica.org/OIC)

## Siegman International School on Lasers

25 June–02 July 2022  
Chęciny, Poland  
[optica.org/SiegmanSchool](http://optica.org/SiegmanSchool)

## On-Chip High-Field Nanophotonics Incubator

06–08 July 2022  
Washington, DC, USA (invitation only)  
[optica.org/HighFieldInc](http://optica.org/HighFieldInc)

## Subsea Optical Fiber Communications School

10–16 July 2022  
Backafallsbyn, Sweden  
[optica.org/Subsea](http://optica.org/Subsea)

## Imaging and Applied Optics Congress and Optical Sensors and Sensing Congress

11–15 July 2022  
Vancouver, BC, Canada  
[optica.org/ImagingOPC](http://optica.org/ImagingOPC)  
[optica.org/SensingOPC](http://optica.org/SensingOPC)

## International Conference on Ultrafast Phenomena

18–22 July 2022  
Montréal, Quebec, Canada  
[optica.org/UP](http://optica.org/UP)

## Advanced Photonics Congress

24–28 July 2022  
Maastricht, Netherlands  
[optica.org/PhotonicsOPC](http://optica.org/PhotonicsOPC)

## Applied Industrial Optics Topical Meeting

25–27 July 2022  
Dublin, Ireland  
[optica.org/AIO](http://optica.org/AIO)

## CLEO Pacific Rim

31 July–06 August 2022  
Sapporo, Japan  
[www.CLEOPR2022.org](http://www.CLEOPR2022.org)

## Digital Holography and Three-Dimensional Imaging Topical Meeting

01–04 August 2022  
Cambridge, UK  
[optica.org/DH](http://optica.org/DH)

## Latin America Optics and Photonics Conference

07–11 August 2022  
Recife, Brazil  
[optica.org/LAOP](http://optica.org/LAOP)

## Frontiers in Optics + Laser Science

16–20 October 2022  
Rochester, NY, USA  
[www.frontiersinoptics.com](http://www.frontiersinoptics.com)

## Laser Congress and Exhibition

23–27 October 2022  
Prague, Czechia  
[optica.org/LaserOPC](http://optica.org/LaserOPC)

## Thank You, Volunteers

Thank you to the Optica Meetings Council members who concluded their terms in December 2021: **Marco Arrigoni**, Coherent Inc., USA; and **Marija Furdek**, Chalmers Tekniska Högskola, Sweden.

**Sterling J. Backus**, Thorlabs Laser Division Boulder, USA; **Liangcai Cao**, Tsinghua University, China; and **Abbie T. Watnik**, US Naval Research Laboratory, USA, will be joining the Meetings Council as new members.

Continuing members include **Steve Cundiff**, University of Michigan, USA (Chair); **Jens Biegert**, ICFO–The Institute of Photonic Sciences, Spain (Chair-Elect); **Rama Chellappa**, Johns Hopkins University, USA; **Stephen H. Foulger**, Clemson University, USA; **Na Ji**, University of California Berkeley, USA; and **Gabrielle M. Thomas**, EurA AG, Germany.

### Request Information

Receive notifications about meetings of interest, including reminders for Calls for Papers and registration.  
[optica.org/focus](http://optica.org/focus)