

# OSA Update



Courtesy of MPL

## OSA at the Symposium for the Science of Light

OSA's **Liz Rogan**, **Elizabeth Nolan** and **Yann Amouroux** attended an anniversary celebration for the Max Planck Institute for the Science of Light (MPL) in July. The symposium marked 150 years of optics research in Erlangen, the 15<sup>th</sup> anniversary of the establishment of the Max Planck Research Group for Optics, Information and Photonics, and the 1.5-year anniversary of the inauguration of the new MPL building.

## Thank You, Editors

We are happy to announce that the following individuals were recently appointed as new editors: *Applied Optics*: **Federico Pirzio**, University of Pavia, Italy. *Biomedical Optics Express*: **Kostadinka Bizheva**, University of Waterloo, Canada. *JOCN*: **Martin Birk**, AT&T, USA; **Ramon Casellas**, Centre Tecnològic Telecomunicacions Catalunya (CTTC), Spain; **Ernesto Ciaramella**, Scuola Superiore Sant'Anna of Pisa, Italy; **Jun-ichi Kani**, NTT, Japan; **Barbara Martini**, National Inter-University Consortium for Telecommunications (CNIT), Italy; **Laurent Schares**, IBM TJ Watson Research Center, USA. *JOSA A*: **Yangjian Cai**, Shandong Normal University, China. *Optica*: **Daniel Mittleman**, Brown University, USA; **Irina T. Sorokina**, NTNU, Norway. *Optics Express*: **David Doxaran**, Lab d'Océanographie de Villefranche-LOV, France; **Shinji Yamashita**, University of Tokyo, Japan. *Optics Letters*: **Heping Zeng**, East China Normal University, China; **Enrique Tajahuerce**, Universitat Jaume I, Castellón, Spain. *OSA Continuum*: **Takashige Omatsu**, Chiba University, Japan (Editor-in-Chief); **Erik Vartiainen**,

Lappeenranta University of Technology, Finland (Deputy Editor); **Andrea Blanco-Redondo**, University of Sydney, Australia; **Mojca Jazbinsek**, Zurich University of Applied Sciences, Switzerland; **Olga Korotkova**, University of Miami, USA; **Yuichi Kozawa**, Tohoku University, Japan; **Eric Lantz**, Université Bourgogne Franche-Comte, France; **Ho Wai (Howard) Lee**, Baylor University, USA; **Kwang-Sup Lee**, Hannam University, S. Korea; **Gualtiero Nunzi Conti**, Ist di Fisica Applicata Nello Carrara, Italy; **Jae-Hyeung Park**, Inha University, S. Korea; **Ching-Cherng Sun**, National Central University, Taiwan; **Caterina Vozz**, Istituto di Fotonica e Nanotecnologie-Consiglio Nazionale delle Ricerche (CNR-IFN), Italy.

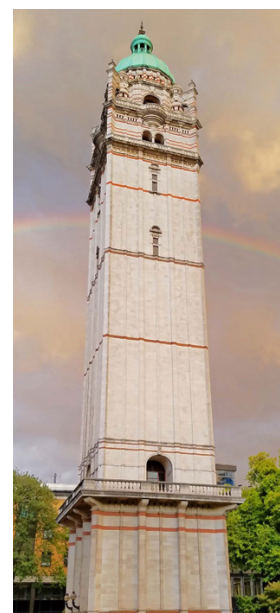
We thank **Scott Diddams**, NIST and University of Colorado, USA, for agreeing to serve a second editorial term at *Optica*.

We thank the following editors, who have recently finished their terms, for their years of service: *Applied Optics*: **Triantafillos Koukoulas**, National Institute of Metrology, China. *JOSA B*: **Daniel James**, University of Toronto, Canada. *Optics Letters*: **Randy A. Bartels**, Colorado State University, USA.



## Chronicling a Centenary

OSA Senior Member **Tina Kidger** has created a new chronicle of events and photos from last fall's 100<sup>th</sup> anniversary celebration of the Department of Technical Optics at Imperial College London, U.K. The event included talks by OSA presidents **Christopher Dainty**, **Sir Peter Knight** and **Ian Walmsley**. OSA has published the chronicle on its website; check it out at <http://ow.ly/5ZT030li62s>.



Images from the Imperial College centenary chronicle.



Courtesy of Joseph Marron

## The 10 Millionth U.S. Patent

Congratulations to OSA Fellow **Joseph Marron**, Raytheon Company, USA, for receiving the 10 millionth U.S. patent. The patent for “Coherent Ladar Using Intra-Pixel Quadrature Detection” highlights the breadth of American invention, with applications in such varied fields as autonomous vehicles, medical imaging devices, military defense systems, and space and undersea exploration. Learn more at: <https://10millionpatents.uspto.gov/patent-10-million.html>.



## Paul Corkum Receives Isaac Newton Medal

Congratulations to OSA Fellow **Paul Corkum**, who was recently awarded the prestigious Isaac Newton Medal and Prize, the highest accolade of the U.K.’s Institute of Physics. The medal recognizes world-leading contributions to physics by an individual, and it was awarded to Corkum for his role in the development of attosecond science.

National Research Council of Canada



Courtesy of Malini Olivo

## OSA Fellow Member Stories

“Be a pioneer, be courageous and tread new ground. Be brave,” advises OSA Fellow **Malini Olivo**. Read more about Malini and other OSA Fellows at [www.osa.org/fellowprofiles](http://www.osa.org/fellowprofiles).



Courtesy of Alden Hoke



Courtesy of Adriana Mitchell

## 2018 Paul A. Bonenfant Memorial Scholarship Recipients

Congratulations to **Alden Hoke**, Drexel University, USA, and **Adriana Mitchell**, University of Arizona, USA, for receiving the 2018 Paul A. Bonenfant Memorial scholarships in the amount of US\$8,000 each. Established in 2011 by the OSA Foundation, the scholarship enables students enrolled in engineering or physical science programs to attend semester-abroad programs. The award’s goal is to give students international experience as they prepare for professional lives that promote global engagement and collaboration.



SEDOPTICA President Ignacio Moreno (left) with 2011 OSA President Chris Dainty.

## Feliz Aniversario, SEDOPTICA

OSA congratulates SEDOPTICA on its 50<sup>th</sup> anniversary, and looks forward to many more years of collaboration. OSA 2011 President **Christopher Dainty** joined several other society representatives at the Reunion Nacional de Optica in Castellón, Spain to celebrate the milestone.

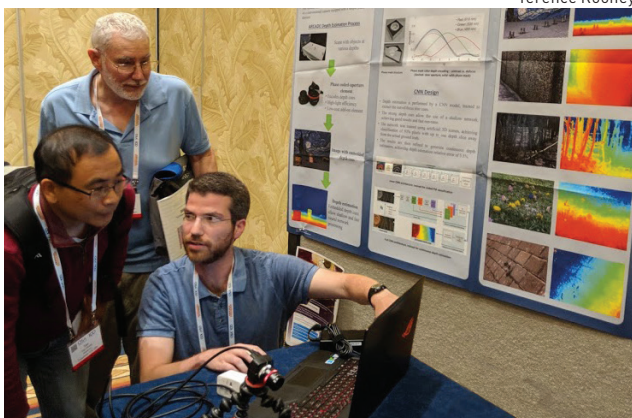




EPO (European Patent Office)

## Ursula Keller Receives European Inventor Award

OSA Fellow and ultrafast-laser pioneer **Ursula Keller** was recently given the European Inventor Award 2018 in the lifetime achievement category. The European Inventor Award is presented annually by the European Patent Office to distinguish outstanding inventors from Europe and around the world who have made an exceptional contribution to social development, technological progress and economic growth.



Terence Rooney

Shay Elmalem, the Grand Challenge winner, shares his research.

## Student Grand Challenge

To engage students in the OSA Imaging and Applied Optics Congress this year, the OSA Foundation, in partnership with Lockheed Martin, invited OSA student members and their advisors to submit ideas for a novel passive or active optical system. In June, four finalists attended the meeting, where they showcased their research during the plenary and poster session.

Congratulations to the finalists—**Hyun Myung Kim**, Gwangju Institute of Science and Technology, Republic of Korea, **Wei Cui**, University of Illinois Urbana-Champaign, USA, and **Shuai Li**, Massachusetts Institute of Technology, USA—and to the winner **Shay Elmalem**, Tel-Aviv University, Israel.



## Celebrating LGBT+STEM

In honor of its LGBT members and staff, The Optical Society hosted a celebration of inclusion at the OSA headquarters during the Washington D.C. Pride Parade on 9 June.

On 5 July, OSA supported the inaugural International Day of LGBT+STEM—a day to improve the visibility and support for the LGBT community within the STEM community.



## Thank You, Volunteers

Thank you to the many meetings volunteers for their support of Frontiers in Optics, the OSA Annual Meeting:

*Frontiers in Optics Chairs:* **Christoph Harder**, Swissphotonics, Switzerland; **Wei Lee**, National Chiao Tung University, Taiwan.

*Frontiers in Optics Theme Coordinators:* **Alex Fong**, TruTag Technologies, Inc., USA; **Sabbir Rangwala**, Patience Consulting LLC, USA; **Ortwin Hess**, Imperial College London, U.K.; **Nils Hempler**, M Squared Lasers Ltd., U.K.; **Bernard Kress**, Microsoft, USA.

*Frontiers in Optics Subcommittee Chairs:* **Byoungcho Lee**, Seoul National University, Korea; **Halina Rubinsztein-Dunlop**, University of Queensland, Australia; **Antonio Badolato**, University of Ottawa, Canada; **Greg Raybon**, Nokia/Alcatel-Lucent, USA; **Paul Barclay**, University of Calgary, Canada; **David Busch**, University of Texas Southwestern, USA; **Kenji Yamamoto**, National Institute of Information and Communications Technology, Japan.

## CALENDAR

### OSA/OIDA and OSA Partner Meetings

#### OSA Frontiers in Optics + Laser Science APS/DLS

16 – 20 September 2018  
Washington, D.C., USA  
[www.frontiersinoptics.com](http://www.frontiersinoptics.com)

#### JSAP-OSA Joint Symposia

18 – 21 September 2018  
Nagoya, Aichi, Japan  
[www.jsap.or.jp](http://www.jsap.or.jp)

#### OSA Fall Vision Meeting

20 – 23 September 2018  
Reno, Nev., USA  
[www.osavisionmeeting.org/2018/conf/](http://www.osavisionmeeting.org/2018/conf/)

#### 26<sup>th</sup> International Conference on Optical Fiber Sensors

24 – 28 September 2018  
Lausanne, Vaud, Switzerland  
[www.osa.org/ofs](http://www.osa.org/ofs)

#### Metamaterial Films for In-Space Propulsion by Radiation Pressure Incubator

7 – 9 October 2018  
Washington, D.C., USA (invitation only)  
[www.osa.org/incubator](http://www.osa.org/incubator)

#### Asia Communications and Photonics Conference (ACP)

26 – 29 October 2018  
Hangzhou, Zhejiang, China  
[www.osa.org/acp](http://www.osa.org/acp)

#### Defects by Design: Quantum Nanophotonics in Emerging Materials Incubator

28 – 30 October 2018  
Washington, D.C., USA (invitation only)  
[www.osa.org/incubator](http://www.osa.org/incubator)

#### OSJ-OSA-OSK 2018 Joint Symposia on Optics

30 – 31 October 2018  
Tokyo, Japan  
[www.opt-j.com/opj2018/osj---osa-joint-symposi.html](http://www.opt-j.com/opj2018/osj---osa-joint-symposi.html)

#### The International Photonics and Optoelectronics Meeting (POEM)

31 October – 3 November 2018  
Wuhan, China  
[www.osa.org/poem](http://www.osa.org/poem)

#### OSA Laser Congress

4 – 8 November 2018  
Boston, Mass., USA  
[www.osa.org/assl](http://www.osa.org/assl)

#### OSA Light, Energy and the Environment Congress

5 – 8 November 2018  
Sentosa Island, Singapore  
[www.osa.org/energyOPC](http://www.osa.org/energyOPC)

#### OSA Latin America Optics & Photonics Conference (LAOP)

12 – 15 November 2018  
Lima, Peru  
[www.osa.org/laop](http://www.osa.org/laop)

#### OFCC

3 – 7 March 2019  
San Diego, Calif., USA  
[www.ofccconference.org](http://www.ofccconference.org)

#### OSA Biophotonics Congress: Optics in the Life Sciences

15 – 17 April 2019  
Tucson, Ariz., USA  
[www.osa.org/LifeSciencesOPC](http://www.osa.org/LifeSciencesOPC)

#### CLEO

5 – 10 May 2019  
San Jose, Calif., USA  
[www.cleoconference.org](http://www.cleoconference.org)

#### OSA Digital Holography & 3-D Imaging Topical Meeting

19 – 23 May 2019  
Bordeaux, France  
[www.osa.org/dh](http://www.osa.org/dh)

#### OSA Optical Interference Coatings Topical Meeting

2 – 7 June 2019  
Santa Ana Pueblo, N.M., USA  
[www.osa.org/oic](http://www.osa.org/oic)

#### OSA Imaging and Applied Optics Congress

24 – 27 June 2019  
Munich, Germany  
[www.osa.org/ImagingOPC](http://www.osa.org/ImagingOPC)

#### OSA Nonlinear Optics Topical Meeting

15 – 19 July 2019  
Waikoloa Beach, Hawaii, USA  
[www.osa.org/nlo](http://www.osa.org/nlo)

#### OSA Advanced Photonics Congress

29 July – 2 August 2019  
Burlingame, Calif., USA  
[www.osa.org/PhotonicsOPC](http://www.osa.org/PhotonicsOPC)



Mark Tolbert, President and CEO of Toptica Photonics, Inc., USA, delivers a keynote lecture.

### OSAF's Innovation School

The OSA Foundation's second annual Innovation School wrapped up in July at OSA Headquarters in Washington, D.C., USA. The school is a highly interactive program for those seeking to participate in the innovation economy. During the 4-day bootcamp, participants discovered how to identify high-potential ideas, validate them, vet them, and develop pitches on new solutions, products or ventures.

The 28 attendees, representing six continents, were encouraged to harness their entrepreneurial and intra-entrepreneurial spirit in a collaborative environment to push their innovation skills to new levels.



Innovation School participants, left to right: Darryl Naidoo, Marta Stepien, Aura Higuera Rodriguez and Mitchell Cox

Three 2017 Innovation School participants returned as mentors to the 2018 class. Companies represented included Corning, Edmund Optics, IonQ, Optimax Systems, Zemax and more. Thorlabs, Inc., co-sponsored the school, providing US\$12,000 in travel grants to individuals from developing countries. Visit [www.osa.org/innovation](http://www.osa.org/innovation) for participant biographies and a full list of keynote speakers and mentors.