PUBLICATIONS

Welcome New Editors

We are happy to announce that **Guy Beadie** of the U.S. Naval Research Laboratory and **Patrice Camy** of the University of Caen, France, have been appointed as new associate editors for *Optics Express*.

We'd also like to thank the following associate and topical editors who have agreed to serve second three-year terms: **P. Scott Carney**, University of Illinois at Urbana-Champaign, U.S.A., for JOSA A, as well as **Hamid Dehghani**, University of Birmingham, United Kingdom; **Matthew Pelton**, Argonne National Labs, U.S.A.; and **Gabriel Popescu**, University of Illinois at Urbana-Champaign for *Optics Express*. We thank these members of the optics community for their support of OSA publications.

HONORS AND AWARDS

OSA Announces Two Award Winners

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Coleman

OSA and the IEEE Photonics Society are pleased to announce that **James Coleman**, Intel Alumni Endowed Chair in electrical and computer engineering at the University of Illinois, U.S.A., is the recipient of the 2013 John Tyndall Award. Coleman, also a professor of materials science and engineering, is being recognized for "contributions to semiconductor lasers and photonic materials, processing and device designs, including high reliability strained-layer lasers."


Kimble

OSA

OSA and the Deutsche Physikalische Gesellschaft will present the 2013 Herbert Walther Award to **H. Jeff Kimble** of the California Institute of Technology, U.S.A., for his pioneering experimental contributions to quantum optics, cavity quantum electrodynamics and quantum information science.

OSA FOUNDATION

OSAF Awards and Scholarships for 2013

OSA and the OSA Foundation (OSAF) are proud to add three new awards and scholarships to their portfolio. The **Michael S. Feld** Biophotonics Award will recognize individuals for innovative and influential contributions to the field of biophotonics, regardless of their career stage. The scope of the award encompasses all areas of biophotonics, ranging from fundamental optics discoveries in biology to the development of new theoretical frameworks and novel instrumentation to clinical translational research for biomedicine.

The **Sang Soo Lee** Award recognizes outstanding leadership in growing the optics and photonics community locally. The award recognizes eminent individuals who played a key role in a specific region by conducting research and/or education in optics or photonics, introducing a new field in optics or photonics or initiating an optics and photonics industry.

The **Paul A. Bonenfant** Memorial Scholarship is a need-based scholarship that will enable undergraduate students enrolled in engineering or physical science programs to attend semester-abroad programs offered through their institution.

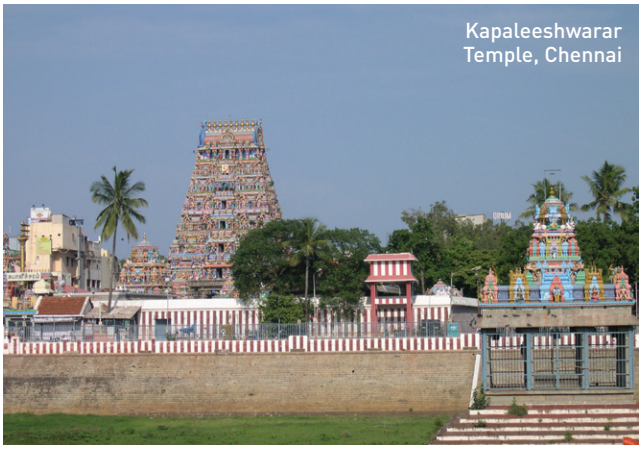
Campaigns for the Future: We Need Your Support

OSAF programs directly touch the lives of the next generation of optics and photonics innovators. You can make a difference by supporting the Foundation's current campaigns. No matter how you decide to allocate your contribution, OSA will match your tax-deductible gift dollar-for-dollar with a gift to the general fund.

The 2013 Annual Campaign supports the general fund and finances programs for professional development, travel grants for students in developing nations, scholarships and more.

The Siegman International Summer School on Lasers Campaign supports funding for an international summer school in honor of **Anthony E. Siegman**. This school will provide students from around the world with a week-long program of lectures, networking opportunities, poster presentations and research sharing that focuses on lasers and their applications.

To learn more about the foundation and support a campaign, visit www.osa-foundation.org.


Kapaleeshwarar Temple, Chennai

Wikimedia Commons

GLOBAL NEWS

OSA at Photonics 2012 and IONS-4 Asia/Chennai

OSA CEO **Elizabeth Rogan**, Past President **Chris Dainty** and OSA staff travelled to Chennai, India, in December for Photonics 2012, the largest photonics conference in India and part of a biennial series that rotates among Indian universities and institutes. Chairs **Shanti Bhattacharya** and **Balaji Srinivasan** organized this years' program, which drew close to 600 international participants, 300 presentations and 25 exhibitors.


Chris Dainty and Anish Bekal

OSA

Chris Dainty presented OSA best student presentation awards to **Anjani K. Tiwari**, Tata Institute of Fundamental Research, India, and **Anish Bekal**, IIT Madras, India. **Venkata Ramaiah Badarla**, Institute of Photonic Sciences, Spain, received the OSA travel award.

OSA student chapters IIT Madras and St. Joseph's College of Engineering jointly coordinated the IONS-4 Asia/Chennai meeting prior to the conference. This well-attended program had nearly 80 IONS participants from India, Germany, Spain, the United Kingdom and the United States.

IIT Kharagpur has been announced as the host of the Photonics 2014 conference. An OSA student chapter has just been launched at the institute, and students are looking forward to hosting the next IONS program.

Moscow Workshop **on Fiber Optics in Access Networks**

After two successful workshops were held in Moscow, Russia (2010), and Budapest, Hungary (2011), the 3rd International Workshop on Fiber Optics in Access Networks (FOAN 2012) took place in St. Petersburg, Russia, on 3–5 October 2012 as part of the fourth International Conference on Ultra Modern Telecommunications and Control Systems (ICUMT 2012). ICUMT has a big role in the life of Russian scientists and engineers in the field of telecommunication and control systems.


Group photo after the passive optical network session.

Courtesy of Edvin Skaljo

The workshop had a primary goal of presenting the latest research in the field of fiber optic technologies that are geared toward telecom network access. This year's workshop focused on the physical layer issues of optical access networks, quality of service and experience for the end-point user, and home networking (in-house communications).


Kremlin and Moskva river, Moscow.

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CALENDAR

OSA Optics and Photonics Conferences and Meetings

2013

Optical Fiber Communication Conference and Exposition/National Fiber Optic Engineers Conference (OFC/NFOEC)

17–21 March 2013
Anaheim, Calif., U.S.A.
www.ofcnfoec.org

Optics in Life Sciences Congress

14–18 April 2013
Waikoloa Beach, Hawaii, U.S.A.
www.osa.org/Life_Sciences_Congress

- Bio-Optics: Design and Application (BODA)
- Novel Techniques in Microscopy (NTM)
- Optical Molecular Probes, Imaging and Drug Delivery (OMP)
- Optical Trapping Applications (OTA)

Digital Holography and 3-D Imaging (DH)

21–25 April 2013
Kohala Coast, Hawaii, U.S.A.
www.osa.org/dh

European Conferences on Biomedical Optics (ECBO)

12–16 May 2013
Munich, Germany
www.osa.org/ecbo

International Photonics and Opto-Electonics Meetings (POEM)

24–27 May 2013
Wuhan, China
http://poem.wnlo.cn/

- Nanophotonics, Nanoelectronics and Nanosensor (N3)
- Advanced Optoelectronics for Energy and Environment (AOEE)

CLEO: 2013—Laser Science to Photonic Applications (CLEO)

9–14 June 2013
San Jose, Calif., U.S.A.
www.cleoconference.org

Optical Interference Coatings

16–21 June 2013
Whistler, British Columbia, Canada
www.osa.org/oic

Imaging and Applied Optics Congress

23–27 June 2013
Arlington, Va., U.S.A.
www.osa.org/Imaging_Congress

- Imaging Systems Applications (IS)
- Applied Industrial Optics: Spectroscopy, Imaging & Metrology (AIO)
- Hyperspectral Imaging and Sounding of the Environment (HISE)
- Adaptive Optics: Methods, Analysis and Applications (AO)
- Computational Optical Sensing and Imaging (COSI)
- Fourier Transform Spectroscopy (FTS)

Advanced Photonics Congress

14–19 July 2013
Rio Grande, Puerto Rico, U.S.A.
www.osa.org/en-us/meetings/optics_and_photonics_congresses/advanced/

- Integrated Photonics Research, Silicon and Nano-Photonics (IPR)
- Optical Sensors (SENSORS)
- Photonic Networks and Devices (NETWORKS)
- Signal Processing in Photonics Communications (SPPCom)

Nonlinear Optics

21–26 July 2013
Kohala Coast, Hawaii, U.S.A.
www.osa.org/nlo

Frontiers in Optics 2013/ Laser Science XXIX (FiO/LS)

6–10 October 2013
Orlando, Fla., U.S.A.
www.frontiersinoptics.com

Advanced Solid-State Lasers Congress

27 October–1 November 2013
Paris, France
www.osa.org/assl

- Application of Lasers for Sensing & Free Space Communication (LS&C)
- NEW! Mid-Infrared Coherent Sources (MICS)

Renewable Energy and the Environment Congress

3–7 November 2013
Tucson, Ariz., U.S.A.
www.osa.org/Renewable_Energy

- Optics for Solar Energy (SOLAR)
- Solid State Organic Lighting (SOLED)
- Optical Nanostructures and Advanced Materials for Photovoltaics (PV)
- Optical Instrumentation for Energy & Environmental Applications (E2)

Hannah Bembia (hbembia@osa.org) is OSA's publications administrative assistant. Sarah Michaud is OPN's associate editor.

IN MEMORY

Mourning the Loss of Tingye Li

OSA

Tingye Li, an OSA Past President and Fellow Emeritus renowned for his contributions to lightwave technology and optical fiber communications, died at the age of 81 on 27 December 2012 in Snowbird, Utah, U.S.A. Li was respected and loved as an "elder" among young scientists and engineers who worked in photonics, both for his immeasurable contributions to the field and for his willingness to spend time mentoring, advising, promoting and encouraging young people.

Li and his wife Edith at an OFC event in March 2011.

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Milestones

Born in 1931 in Nanjing, Jiangsu Province, China, Li obtained his bachelor's degree from the University of Witwatersrand, South Africa, and his Ph.D. from Northwestern University, U.S.A. He joined Bell Telephone Laboratories (later AT&T Bell Laboratories) in 1957, and he worked there for 41 years until his retirement in 1998.

During his career at AT&T, Li authored and coauthored more than 100 manuscripts, patents and books in the areas of antennas, microwave propagation, lasers and optical communications. He made significant contributions in the fields of lightwave technologies and systems, and he spearheaded research on wavelength division multiplexing (WDM) transmission systems that revolutionized long-distance telecommunication networks. In reference to these milestones, Li jokingly stated: "Photonics is a 40-year overnight success."

In 1961, he and his colleague A. Gardner Fox published a now-classic paper on laser resonator modes titled "Resonant modes in a maser interferometer." It established the basis for understanding optical resonators and how modes in them behaved.

In the late 1980s, when the world's attention on optical communication was still focused on a single-channel high-speed solution, Li and his team at AT&T developed the world's first sparse channel WDM system. Their experiment in 1992 at Roaring Creek turned out to be a "roaring success," as Li claimed in an interview, allowing 2.5 Gbit/s transmission per channel, the highest rate available at the time. The use of WDM and optical amplifiers changed the paradigm of network economics and is considered to be of revolutionary significance in the history of lightwave communications.

Awards and honors

Li received many awards and honors during his long career. An OSA member since 1966, he was named Fellow in 1977. He served as an at-large member of the Board of Directors from 1985-1987 and OSA President in 1995. He chaired numerous committees, and he was a leader in building the Asia Communications and Photonics conference.

He was a Fellow of the Institute of Electrical and Electronics Engineers (IEEE), the American Association for the Advancement of Science, the Photonic Society of Chinese-Americans and the International Engineering Consortium. He was also a member of the U.S. National Academy of Engineering and the Academia Sinica (Taiwan) and a Foreign Member of the Chinese Academy of Engineering.

Li received OSA's John Tyndall Award (1995),OSA's Frederic Ives Medal/Jarus W. Quinn Prize (1997), IEEE's W.R.G. Baker Prize (1975), David Sarnoff Award (1979), Photonics Award (2004), Edison Medal (2009) and the 1997 AT&T Science and Technology Medal. He was given the 1981 Alumni Merit Award from Northwestern University, and he received Achievement Awards from the Chinese Institute of Engineers/U.S.A. (1978), the Chinese-American Academic and Professional Society

(1983) and the Photonics Society of Chinese-Americans (1998).

Li was named an honorary professor at many universities in China, including Tsinghua University, Shanghai Jiaotong University, Beijing University of Posts and Telecommunications, Beijing Jiaotong University, Fudan University, Nankai University, Tianjin University, the University of Electronic Science and Technology of China and Qufu Normal University. He was also named an honorary professor at National Chiao Tung University and National Taiwan University, and he was granted an honorary Doctor of Engineering degree by National Chiao Tung University in Taiwan.

A kind spirit

Li's intellect and sense of humor will be sorely missed by his colleagues in the optics and photonics community. He was well known for his entertaining professional talks, including one he gave at the ITCom 2001 conference titled "Crouching Technologies and Hidden Profits"—a playful reference to the film "Crouching Tiger, Hidden Dragon." He was dedicated to teaching and mentoring young scientists. Li is survived by his wife, Edith Wu, daughters Deborah and Kathryn, and several grandchildren.

If you would like to make a memorial donation to the OSA Foundation in honor of Tingye Li, please visit www.osa-foundation.org/give.

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Li was feted at a celebration in honor of his 80th birthday during OFC/NFOEC 2011 on 6 March 2011. Left to right: Constance Chang-Hasnain, Tingye Li, Robert Tkach, Li family member, Alan Willner and Edith Wu Li.

Tributes to Tingye Li

"We are all in tremendous shock about the totally unexpected loss of Tingye. He was an inspired research leader and a wonderful and highly treasured friend with admirable wit, an unusual wisdom, enviable knowledge and deep insights. I learned a lot from him. We will miss him bitterly."

—Herwig Kogelnik
1989 OSA President

"What a loss. A giant in the field, Tingye was also a cherished colleague and mentor to so many of us—always friendly, upbeat, encouraging, insightful, and on the money with a clever turn of phrase. He loved his family; he loved skiing; he loved the business; he loved the OSA; he loved us all. He was a good man."

—Erich Ippen
2000 OSA President

"We were shocked and in great sorrow upon hearing the sad news of Prof. Li's death.

As a pioneer in optics and photonics, Prof. Li made a great contribution to the development of wavelength division multiplexing transmission systems that gave reality to long-distance telecommunication networks. Also, he is most dearly remembered for his great expectations and strong support to optical communications research and industrialization in China.

Furthermore, Prof. Li was renowned for his candor and help for others. He mentored and advised a great number of outstanding scholars who have made great impacts on related areas. Prof. Li will be missed by everyone who knew him. It is a great loss to the optics and photonics community in the world."

—Statement from the Chinese Optical Society

If you would like to write your own tribute to Tingye, please send it to Elizabeth Dreazen (edreazen@osa.org).