Optical Networking Technical Committee (ONTC) Meeting
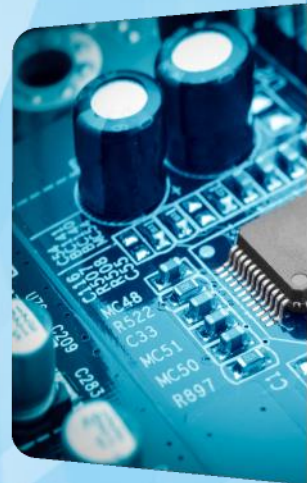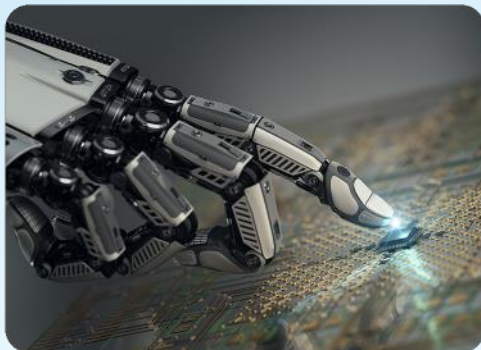
Elaine Wong, ONTC Chair

Massimo Tornatore, ONTC Vice-Chair

Raul Muñoz, ONTC Secretary

19 June 2024

AGENDA

› Welcome and Introductions

› Approval of ONTC Meeting Minutes (OFC 2024)

› https://site.ieee.org/comsoc-ontc/files/2024/06/OFC2024_ONTC_minutes_v1.pdf

› 2023 ONTC Awards Announcement

  – ONTC Outstanding Technical Achievement Award

  – ONTC Malathi Veeraraghavan Service Award

› IEEE Comsoc Distinguished Lecturer Program https://www.comsoc.org/membership/distinguished-lecturers

› ICC/GLOBECOM submissions and learnings

› Conference/Journal/Book Updates

› Any Other Business

ICC 2023 ONTC MEETING MINUTES

› Available on the website

› https://site.ieee.org/comsoc-ontc/files/2024/06/OFC2024_ONTC_minutes_v1.pdf

› Any comments?
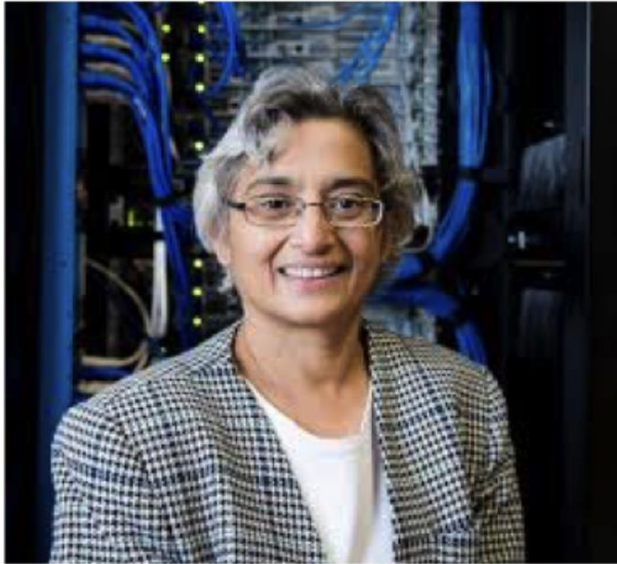
2023 ONTC Awards

› **2023 ONTC Awards**

– Malathi Veeraraghavan ONTC Outstanding Service Award

– ONTC Outstanding Technical Achievement Award

› **ONTC Awards Subcommittee (2024-2025)**

– Massimo Tornatore, Politecnico di Milano, Italy. (Chair)

– Maite Brandt-Pearce, University of Virginia, USA (Member)

– Yusuke Hirota, NICT, Japan. (Member)

– Luca Valcarenghi, Scuola Superiore Sant'Anna, Pisa, Italy. (Member)

– Lena Wosinska, Chalmers University, Sweden. (Member)

Malathi Veeraraghavan ONTC Outstanding Service Award

In Memory of Malathi Veeraraghavan

Dr. Malathi Veeraraghavan, Professor of Electrical and Computer Engineering at the University of Virginia, passed away on Monday, May 11th, 2020. Her husband, many friends, and the IEEE ComSoc community at large mourn the loss.

Malathi had an amazing work ethic, and she kept on working until the very end. A highly accomplished researcher, Malathi earned her BTech from the world-renowned IIT Madras in 1984. She was one of only four women in her EE class. She came to the US and earned her M.S. and Ph.D. degrees from Duke University in 1985 and 1988, respectively. She then joined Bell Laboratories, where she worked for 10 years, starting as Member of Technical Staff and quickly rising to become a Distinguished Member of Technical Staff. In 1999, she joined the faculty at Polytechnic University, Brooklyn, New York, as Associate Professor. There she won the Jacobs award for excellence in education in 2002. That year, she joined the ECE department at UVA as an Associate Professor of ECE, and was promoted to Professor in 2007. From 2003 to 2006, she served as Director of the Computer Engineering program, where she led the creation of the Computer Engineering graduate program at UVA.

2023 Malathi Veeraraghavan ONTC Outstanding Service Award

› **Prof. Zuqing Zhu**

› **Citation:**

- for outstanding service to the optical network community.

› **Bio:**

- Zuqing Zhu (Fellow IEEE) received his Ph.D. degree from the Department of Electrical and Computer Engineering, University of California, Davis, in 2007. From 2007 to 2011, he worked in the Service Provider Technology Group of Cisco Systems, San Jose, California, as a Senior Engineer. In January 2011, he joined the University of Science and Technology of China, where he currently is a Full Professor in the School of Information Science and Technology. He has published 360+ papers in peer-reviewed journals and conferences. He is the Steering Committee Chair of the IEEE International Conference on High Performance Switching and Routing (HPSR). He was the Chair of the Technical Committee on Optical Networking (ONTC). He has received the Best Paper Awards from ICC 2013, GLOBECOM 2013, ICNC 2014, ICC 2015, and ONDM 2018.

2023 ONTC Outstanding Technical Achievement Award

› **Prof. George Rouskas**

› **Citation:**

  – for pioneering research in the design, implementation, operation, and control of fiber optic networks.

› **Bio:**

  – George N. Rouskas (Fellow, IEEE) received the B.S. degree from the National Technical University of Athens, Athens, Greece, and the M.S. and Ph.D. degrees from the Georgia Institute of Technology, Atlanta, GA, USA. He is currently an Alumni Distinguished Graduate Professor and the Director of Graduate Programs with the Department of Computer Science, North Carolina State University, Raleigh, NC, USA. His research contributions have been in the areas of network architectures, optical networks, network design and optimization, and performance evaluation. He is on the OFC Steering Committee and was the Chair of ONTC, the Chair of the IEEE ComSoc Distinguished Lecturer Selection Committee, and the Distinguished Lecturer for the IEEE ComSoc. He was the recipient of the NSF CAREER Award, the 2004 ALCOA Foundation Engineering Research Achievement Award, the 2003 NC State Alumni Outstanding Research Award, and was inducted in the NC State Academy of Outstanding Teachers in 2004. He is the Founding Editor-in-Chief of the IEEE Networking Letters, and was also the Founding Editor-in-Chief of the Elsevier Optical Switching and Networking Journal from 2004 to 2018. He was the Chair or the Co-Chair of numerous conferences, including the IEEE MASS 2018, IEEE ICC 2017 ONS, IEEE ICNP 2014, IEEE GLOBECOM 2010 ONS, IEEE LANMAN 2004 and 2005, and IFIP Networking 2004.

IEEE COMSOC Distinguished Lecturer Program

Distinguished Lecturer Program

Distinguished Lecturer Program (DLP) connects senior IEEE ComSoc members, who are renowned communications technology experts, with ComSoc chapters so they can share their knowledge, expertise, and insights into the future of communications technology.

During the Distinguished Lecturer Tour (DLT), speakers address at least three groups in three separate locations within a reasonable geographic proximity to each other.

Groups eligible to participate in a DLT include:

- Established IEEE ComSoc Chapters
- Local conference organizers
- IEEE ComSoc members in areas where no IEEE ComSoc Chapter exists

IEEE ComSoc offers the DLT in both online/virtual and in-person formats.

IEEE COMSOC Distinguished Lecturer Program

Nominate Yourself or a Colleague for the Distinguished Lecturer Program

Senior member grade (or higher) IEEE ComSoc members are eligible to serve as a Distinguished Lecturers. IEEE ComSoc members who nominate a speaker must also be a Senior member or higher grade of IEEE. Self-nominations are permitted. IEEE ComSoc technical communities are encouraged to nominate up to four candidates every year.

Distinguished Lecturers are appointed to a term of two years, can be appointed more than once, and can continue to serve for an additional two-year term at the discretion of the Selection Committee.
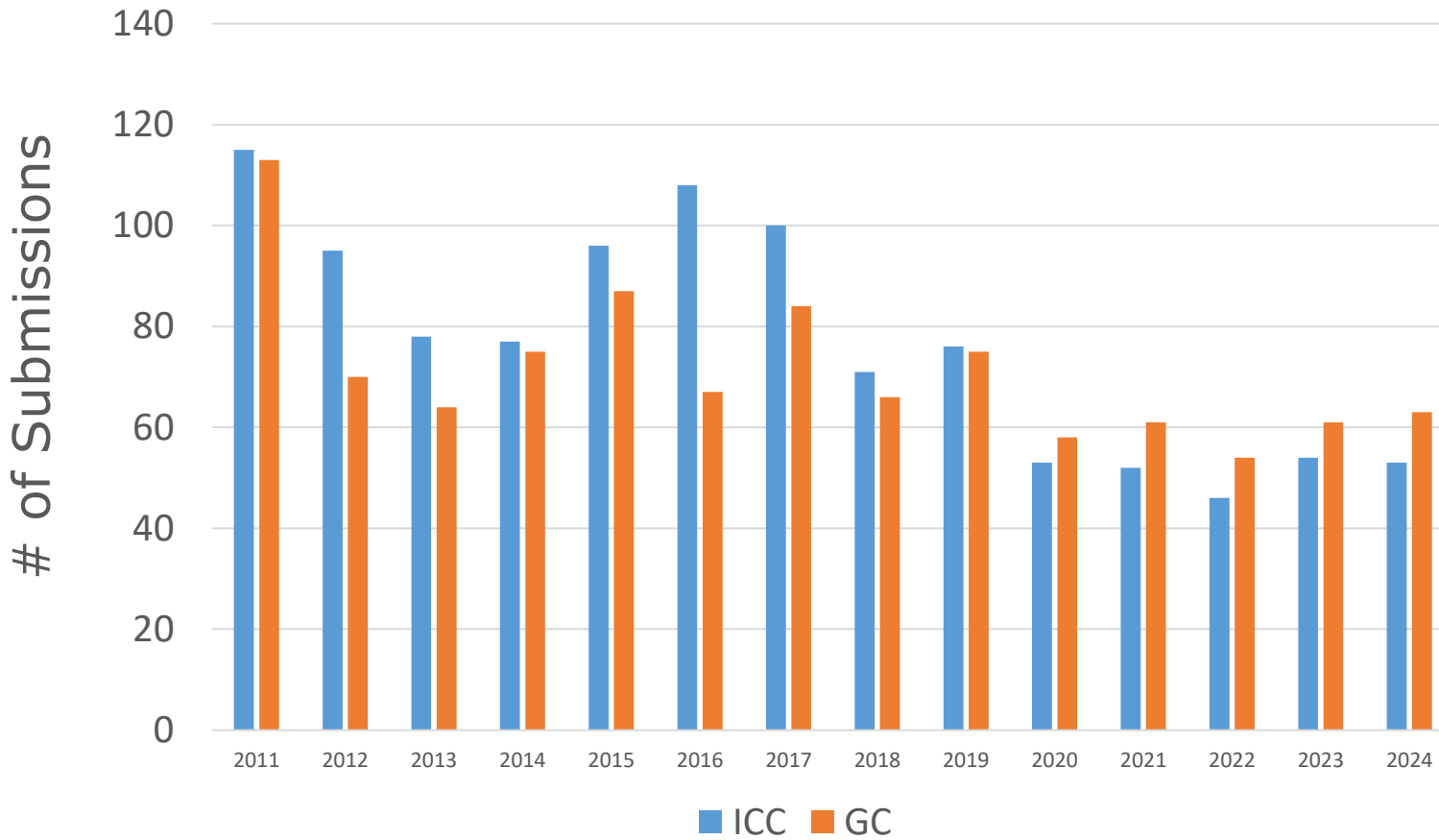
To nominate a candidate to serve as a Distinguished Lecturer from 1 January 2025 to 31 December 2026, please complete this form:

NOMINATE A DISTINGUISHED LECTURER

Submissions for the 2025-2026 Distinguished Lecturer Program will be open July through 30 September 2024. Please contact the Distinguished Lecturer Selection Committee Chair, Junshan Zhang, with questions.

Statistics of ONS in ICC/GLOBECOM

ICC 2024

- ICC 2024 (Denver, USA)
  - ONS Chairs: Luca Valcarenghi (Scuola Superiore Sant'Anna, Italy), Lutz Lampe (UCB, Canada)
  - Submissions (Acceptances):
    - 53 (21) Papers: 26 (10) Networks, 27 (11) Systems

- Best paper award: *Secret Key Generation in Multi-Mode Fiber Channels: Channel Measurements and Achievable Rates* Pin-Hsun Lin, Paul Nowitzki and Eduard A Jorswieck (Technische Universität Braunschweig, Germany); Dennis Pohle (Technische Universität Dresden, Germany); Jürgen Czarske (TU Dresden, Germany)

GLOBECOM 2024

> GLOBECOM 2024 (Cape Town, South Africa)

- ONS Chairs: Anny Zhang (Google, USA) and Xiaoliang Chen (Sun Yat-sen University, China)

- Submissions:

  - 63 papers: 24 Networks, 39 Systems

Future ICC/GLOBECOM Conferences

▸ ICC 2025 (Montreal, Canada)
  – ONS Chairs: Francesco Musumeci (Politecnico di Milano, Italy) and Scott Fowler (University of Linkoping, Sweden)

▸ GLOBECOM 2025 (Taipei, Taiwan)
  – ONS Chairs: nomination submitted.

▸ ICC 2026 (Glasgow, UK)
  – ONS Chairs: nominations submitted.

▸ GLOBECOM 2026 (Macau, China)
  – ONS Chairs: : nominations yet to be solicited

Conference Updates

- OECC 2024, 30 June – 4 July, Melbourne, Australia.
- HPSR 2024, 22-24 July, Pisa Italy.
- ECOC 2024, 22-26 Sept, Frankfurt, Germany.
- NoF 2024, 2-4 October, Castelldefels (Barcelona), Spain.
- GLOBECOM 2024, 8-12 Dec, Cape Town, South Africa.
- IEEE ANTS 2024, Assam, India.
- OFC 2024, 30 March - 3 April, San Francisco, USA.
- ONDM 2025, Pisa, Italy.
- ICC 2025, 8 - 14 June 2025, Montreal, Canada.
- GLOBECOM 2025, 8-12 Dec 2025, Taipei, Taiwan.

Journal Updates

IEEE Open Journal of the Communications Society continuous submission
https://www.comsoc.org/publications/journals/ieee-ojcoms/ieee-open-journal-communications-society-editorial-board

IEEE Network continuous submission
https://www.comsoc.org/publications/magazines/ieee-network

IEEE Communication Magazine (Optical Communications and Networks Series, periodic)
https://www.comsoc.org/publications/magazines/ieee-communications-magazine/cfp/optical-communications-and-networks

Optica/IEEE Journal on Optical Communications and Networking open submission and feature issues
https://opg.optica.org/jocn/feature.cfm

IEEE Networking Letters continuous submission
https://www.comsoc.org/publications/journals/ieee-lnet

IEEE Transaction of Communications (Optical Communications) continuous submission
https://www.comsoc.org/publications/journals/ieee-tcom

Any Other Business (AOB)

➤ Other items for discussion.

➤ Next meeting: IEEE Globecom 2024

<p style="text-align:center; color:blue">Meeting Adjourned</p>

Member Sign-Up

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