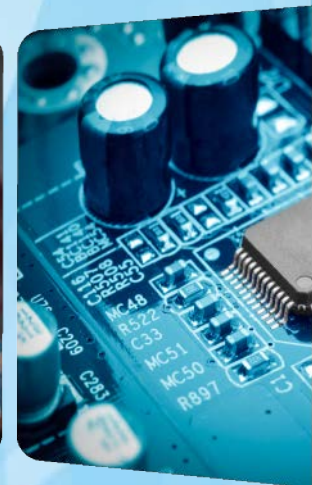
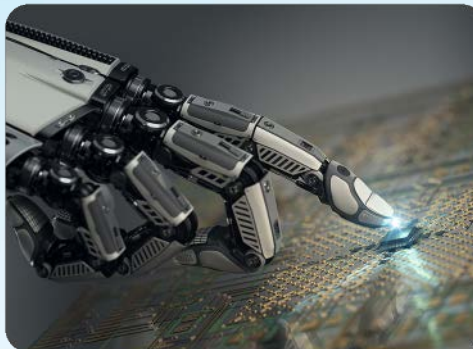


Optical Networking Technical Committee (ONTC) Meeting



Zuqing Zhu, ONTC Chair

Elaine Wong, ONTC Vice Chair

Massimo Tornatore, ONTC Secretary

Virtual (GLOBECOM 2022), Nov. 28, 2022

ONTC OFFICERS

- ▶ CHAIR Zuqing Zhu
- ▶ VICE-CHAIR Elaine Wong
- ▶ SECRETARY Massimo Tornatore

AGENDA

- ▶ Welcome and Introductions
- ▶ Approval of the ICC 2022 ONTC Meeting Minutes (https://ontc.committees.comsoc.org/files/2022/05/Pre-ICC_ONTC_minutes.pdf)
- ▶ Preliminary Call for Nominations of ONTC 2022 Awards
- ▶ Prof. Daniel Kilper's Talk on IEEE INGR Optics WG
- ▶ ONTC Endorsement for ComSoc DL and IEEE Fellow
- ▶ ICC/GLOBECOM Issues
- ▶ Conference/Journal/Book Updates
- ▶ Any Other Business

ICC 2022 ONTC MEETING MINUTES

- ▶ Available on the website
 - https://ontc.committees.comsoc.org/files/2022/05/Pre-ICC_ONTC_minutes.pdf
 - Any comments, questions, or suggestions?

ONTC 2022 Awards

- ▶ Nomination Process will start at the beginning of 2023.
- ▶ ONTC Outstanding Service Award
- ▶ ONTC Outstanding Technical Achievement Award
- ▶ If interested, please contact the Chair of ONTC Awards Subcommittee: [Elaine Wong <ewon@unimelb.edu.au>](mailto:ewon@unimelb.edu.au)

ONTC Awards Subcommittee

- ▶ Chair: Elaine Wong, University of Melbourne
- ▶ Members:
 - Admela Jukan, Technische Universität Braunschweig
 - Biswanath Mukherjee, UC Davis, USA/Soochow University, China
 - Piet Demeester, Ghent University (UGent)
 - Ken-ichi Sato, Nagoya University
 - George Rouskas, NCSU
- ▶ Term (two years): Nov. 2021 – Oct. 2023

Invited Talk on IEEE INGR WG

- ▶ Speaker: Prof. Daniel Kilper,
- ▶ Director of the CONNECT Centre, Professor of Future Communication Networks in the School of Engineering in Trinity College Dublin.



ONTC Endorsement of ComSoc DLs

- ▶ ONTC can nominate or endorse our members' applications for ComSoc Distinguished Lecturer (DL)
 - Please contact me (Zuqing Zhu, zqzhu@ieee.org) if interested.
 - We endorsed/nominated a few ONTC members' applications in 2022, and the results will be announced soon by ComSoc.
- ▶ Timeline of next ComSoc DL application:
 - Deadline: Sept. 30, 2023.
 - Submissions for the 2024-2025 DL Program will be open in Jul. 2023.
 - Request for ONTC's nomination/endorsement should be sent to me by Sept. 15, 2023.

Newly-Elevated IEEE Fellows

- ▶ IEEE just announced 2023 newly-elevated Fellows.
- ▶ New IEEE Fellows in the optical community (to the best of my knowledge, and might be an incomplete list 😊):
 - **Maite Brandt-Pearce** (University of Virginia, USA), for contributions to optical wireless and fiber communications.
 - **Fabrizio Forghieri** (Cisco Photonics, Italy), for contributions to optical communications systems.
 - **Christina M. Lim** (University of Melbourne, Australia), for contributions in hybrid fiber-wireless communications technology.
 - **Takashi Matsuoka** (Tohoku University, Japan), for contributions to laser diodes for optical communications and nitride semiconductors for light-emitting devices.
 - **Andrew Lord** (BT Group, UK), for contributions to optical networking.

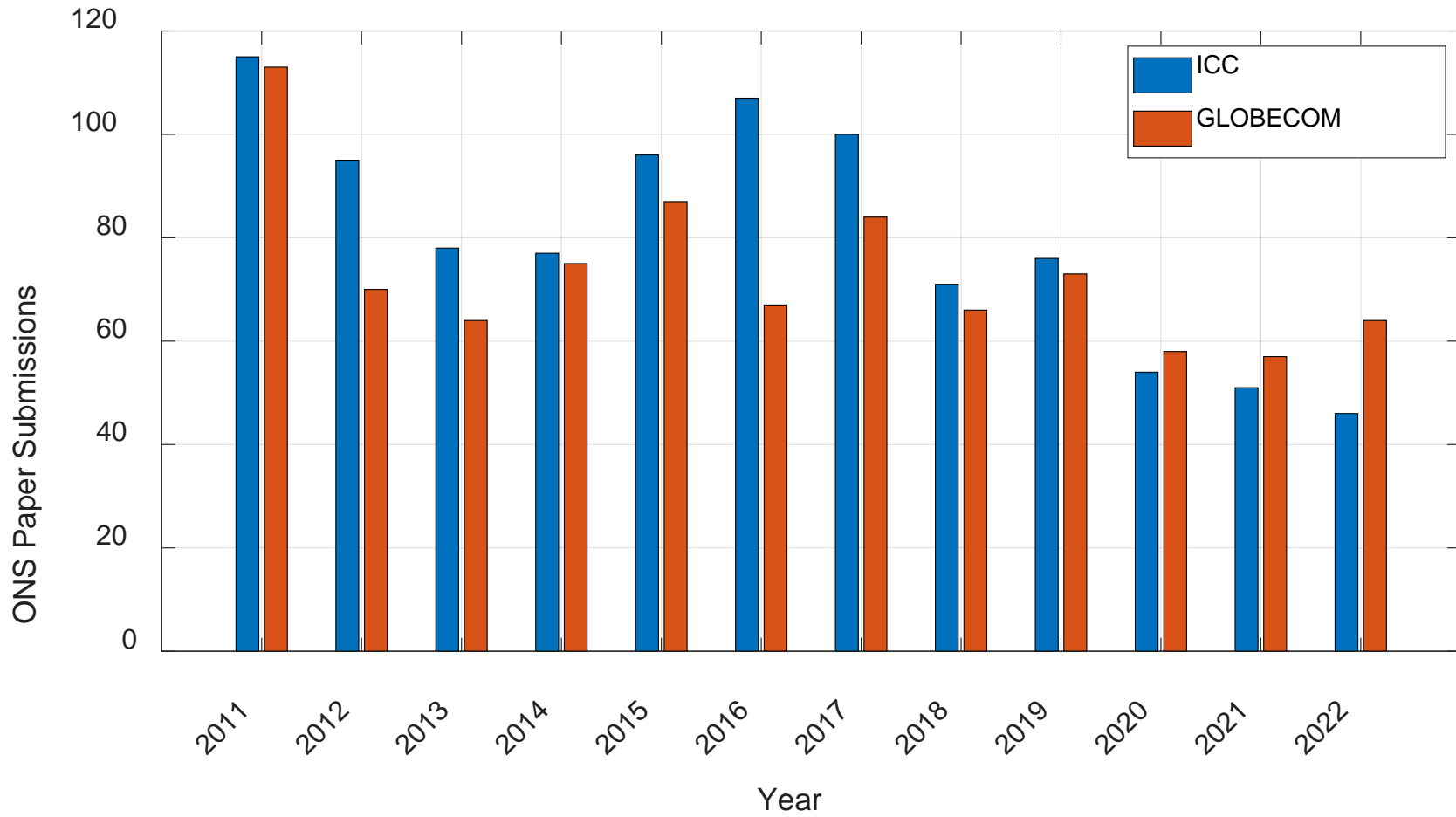
Newly-Elevated IEEE Fellows

- ▶ New IEEE Fellows in the optical community (continued):
 - **Yoshiaki Nakano** (University of Tokyo, Japan), for contributions to semiconductor integrated photonic devices and circuits.
 - **Boon S. Ooi** (King Abdullah University of Science and Technology, Saudi Arabia), for contributions to broadband light emitters and visible light communications.
 - **Anna Peacock** (University of Southampton, UK), for contributions to nonlinear fiber optics and materials.
 - **Laurent Schmalen** (Karlsruher Institut für Technologie, Germany), for contributions to the design of error correction and modulation techniques for optical networks.
 - **Ping Shum** (Southern University of Science and Technology, China), for pioneering contributions in optical fiber-based technologies and their diverse applications.

Newly-Elevated IEEE Fellows

- ▶ New IEEE Fellows in the optical community (continued):
 - **Massimo Tornatore** (Politecnico di Milano Milano, Italy), for contributions to machine-learning and optimization algorithms for resource management in optical networks.
 - **Zuqing Zhu** (University of Science and Technology of China, China), for contributions to elastic optical networking and network virtualization.
- ▶ ONTC can endorse our members' IEEE Fellow nominations
 - Please contact me (Zuqing Zhu, zqzhu@ieee.org) if interested.
 - We endorsed a few ONTC members' IEEE Fellow nominations in 2022.

Statistics of ONS in ICC/GLOBECOM



Statistics of ONS in ICC/GLOBECOM

- ▶ Paper submissions to ONS have dropped ~29% due to Covid-19 pandemic (2020-2021 versus 2019), and start to rebound since GLOBECOM 2022.
- ▶ Competitions from other symposia/tracks (Next-generation networking and Internet, Green communications systems and networks, SAC Machine Learning for Communications, etc)
- ▶ Hope the situation will continue getting better in 2023.
- ▶ **Ideas/suggestions to support/promote ONS?**

ICC 2022/GLOBECOM 2022

- ▶ ICC 2022 (Seoul, South Korea):
 - ONS Chairs: Marco Ruffini (Trinity College Dublin), Steve Hranilovic (McMaster University, Canada)
 - Submissions
 - 46 Papers: 20 Networks, 26 Systems
 - Accepted
 - 20 Papers: 10 Networks, 10 Systems
- ▶ GLOBECOM 2022 (Rio de Janeiro, Brazil):
 - ONS Chairs: Suresh Subramaniam (GWU, USA), Anas Chaaban (UBC, Canada)
 - Submissions
 - 64 Papers: 34 Networks, 30 Systems
 - Accepted
 - 25 Papers: 14 Networks, 11 Systems

ICC 2023

- ▶ ICC 2023 (Rome, Italy):
 - ONS Chairs: Raul Munoz (CTTC, Spain), Murat Yuksel (UCF, USA)
 - Submissions
 - 54 Papers: 30 Networks, 24 Systems

ICC 2023/GLOBECOM 2023

- ▶ ICC 2023 (Rome, Italy):
 - ONS Chairs: Raul Munoz (CTTC, Spain), Murat Yuksel (University of Central Florida)
- ▶ GLOBECOM 2023 (Kuala Lumpur, Malaysia):
 - ONS Chairs: Jerzy Domzal (AGH University of Science and Technology, Poland), Nicola Andriolli (CNR, Italy)
- ▶ ICC 2024 (Denver, Colorado, USA)
 - ONS Chairs: Nominations submitted.
- ▶ GLOBECOM 2024 (Cape Town, South Africa)
 - ONS Chairs: Nominations submitted.

Future OFC/ICC/GC Conferences

- ▶ GLOBECOM 2022, December 4-8, Rio De Janeiro, Brasil
- ▶ OFC 2023, March 5-9, 2023, San Diego, CA, USA
- ▶ ICC 2023, May 28-June 1, Rome, Italy
- ▶ ECOC 2023, UK
- ▶ GLOBECOM 2023, December 4-8, Kuala Lumpur, Malaysia
- ▶ OFC 2024, March 24-28, San Diego, CA, USA
- ▶ ICC 2024, 9 - 13 June 2024, Denver, Colorado, USA
- ▶ ECOC 2024, Germany
- ▶ GLOBECOM 2024, December 8-12, Cape Town, South Africa
- ▶ ICC 2025, 8 - 14 June 2025, Montreal, QC, Canada

Other Conferences

▶ ONTC co-sponsored

– IEEE ANTS 2022

- December 18-21, 2022, Gandhinagar, Gujarat, India
- <https://ants2022.ieee-ants.org/>

– IEEE ICNC 2023

- International Conference on Computing, Networking and Communications
- February 20-22, 2023, Honolulu, Hawaii, USA
- <http://www.conf-icnc.org/2023>

– OFC 2023

- March 7-9, 2023, San Diego, CA, USA
- <https://www.ofcconference.org/>

Journal Updates

- ▶ IEEE Networking Letters continuous submission
 - <https://www.comsoc.org/publications/journals/ieee-lnet>
- ▶ JOCN
- ▶ JLT
- ▶ TNSM

Vacancies in Trinity College Dublin

- Postdoc on PON virtualization data plane research:
 - https://connectcentre.ie/wp-content/uploads/2022/11/PD_TCD_PON_virtualisation.pdf
- PhD studentship on analogue RoF and digital transmission: coexistence (This is between TCD and DCU Universities)
 - https://connectcentre.ie/wp-content/uploads/2022/11/PhD_TCD_DCU_PIADS.pdf
- Please contact: Marco Ruffini <Marco.Ruffini@tcd.ie>

Any Other Business (AOB)

TC Restructure (update & draft)

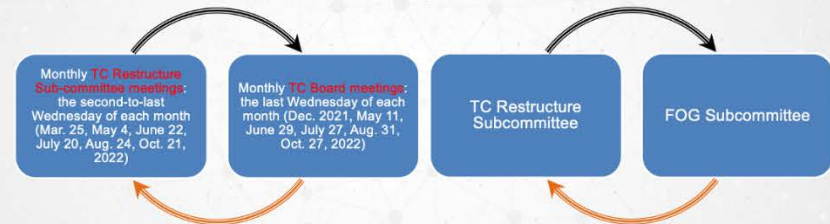
Why Should We Restructure the TCs?

- Lack of industry participation
- Lack of diversity in YP & Students members
- Lack of coordination to form SIGs
- Lack of support for local chapters globally
- Lack of support for standard development
- Lack of educational services to members
- Lack of guidelines in creating TC awards
- Significant overlapping areas among some TCs

What we've done in 2022?

Iterative Procedure

- Iterative procedure to involve TCs/ICs in the process:



All meeting docs and slides are available at:
<https://tc.boards.comsoc.org/meeting-documents/>

Your feedback is very important to us!

Please send your comments to
Shiwen Mao, TC Board Director, E-mail: smao@ieee.org
Wei Zhang, VP TEA, E-mail: weizhang@ieee.org

Any Other Business (AOB)

- ▶ Any other issues?