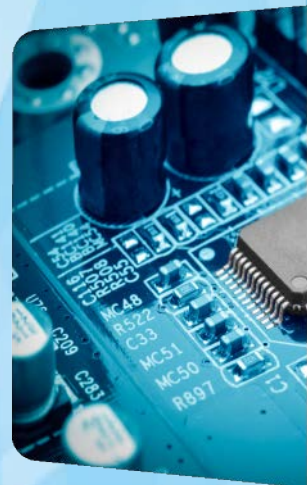
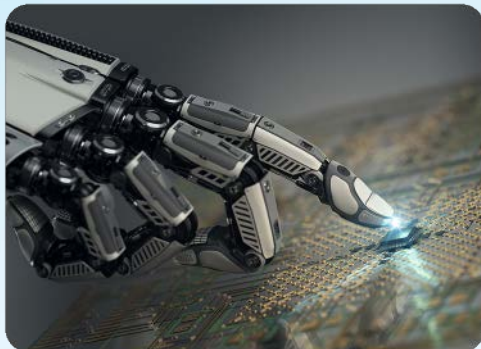


Optical Networking Technical Committee (ONTC) Meeting



Zuqing Zhu, ONTC Chair

Elaine Wong, ONTC Vice Chair

Massimo Tornatore, ONTC Secretary

Virtual (ICC 2022), May 4, 2022

ONTC OFFICERS

➤ CHAIR

Zuqing Zhu

➤ VICE-CHAIR

Elaine Wong

➤ SECRETARY

Massimo Tornatore

AGENDA

- ▶ Welcome and Introductions
- ▶ Approval of the OFC 2022 ONTC Meeting Minutes (https://ontc.committees.comsoc.org/files/2022/03/Post-OFC_ONTC_minutes_v2.pdf)
- ▶ Announcement of ONTC 2021 Awardees
- ▶ Prof. Daniel Kilper's Talk on IEEE INGR Optics WG
- ▶ ICC/GLOBECOM Issues
- ▶ Conference/Journal/Book Updates
- ▶ Any Other Business

OFC 2022 ONTC MEETING MINUTES

- ▶ Available on the website
 - https://ontc.committees.comsoc.org/files/2022/03/Post-OFC_ONTC_minutes_v2.pdf
- ▶ Any comments, questions, or suggestions?

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 2021 Awards

- ▶ Nomination Process: March 4 to April 10, 2022.
- ▶ Malathi Veeraraghavan ONTC Outstanding Service Award
 - One Nomination (the award subcommittee will defer to when there are more nominees, and thus we do not have a 2021 recipient)
- ▶ ONTC Outstanding Technical Achievement Award
 - Three Nominations

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
- ▶ Timeline:
 - Election: ONTC meeting with ICC 2021 (Jul. 2021)
 - Approved by ComSoc: Nov. 2021
- ▶ Two ONTC annual Awards:
 - Malathi Veeraraghavan ONTC Outstanding Service Award
 - ONTC Outstanding Technical Achievement Award

ONTC Outstanding Technical Achievement Award (2021)

➤ Winner: Prof. Lena Wosinska

➤ Citation:

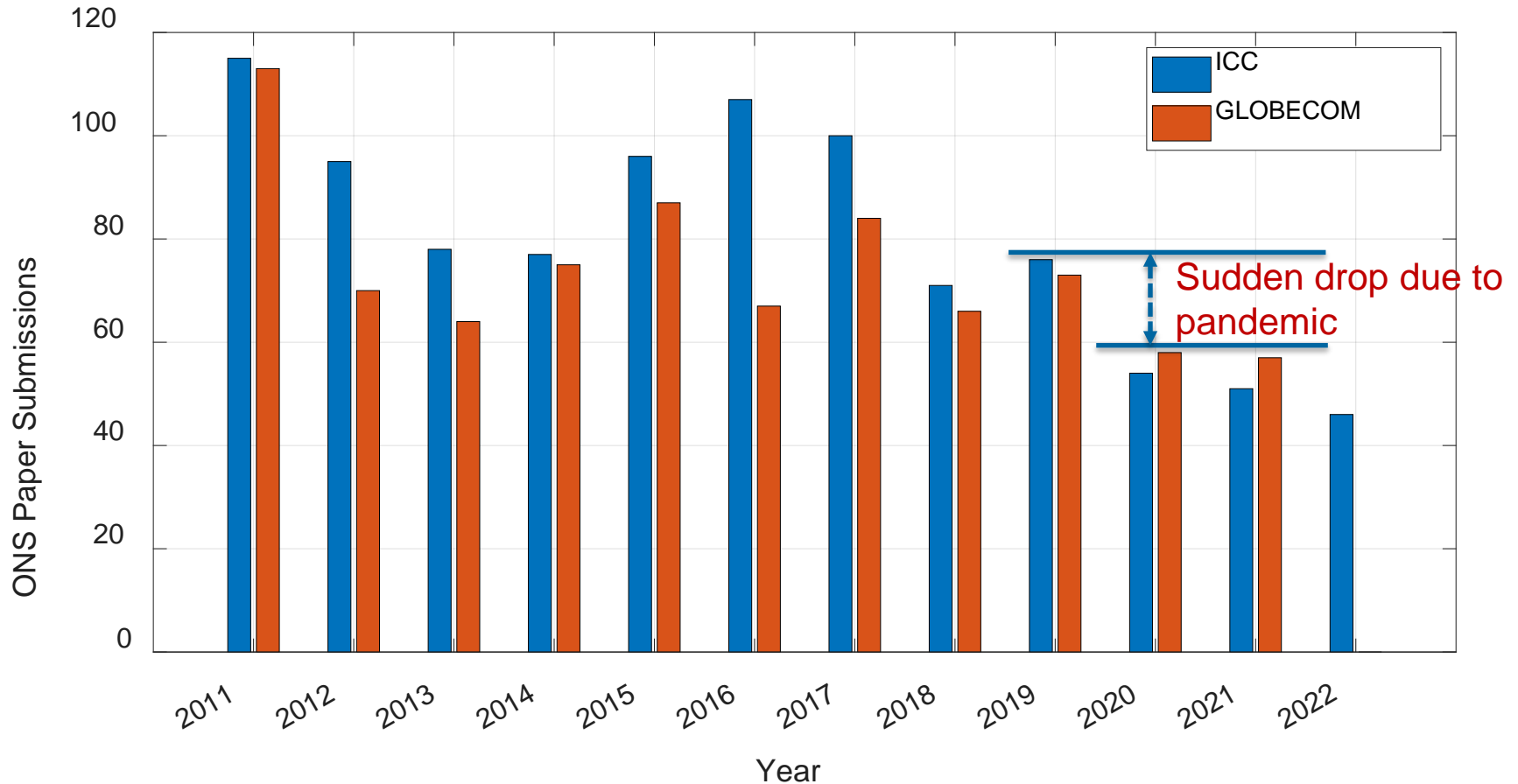
- For pioneering research in optical networks, particularly on architectural, techno-economic, and survivability aspects of optical access and core networks.

➤ Bio:

- Lena Wosinska is a Research Professor in Optical Networks in Chalmers University of Technology, Sweden since June 2019. Before she moved to Chalmers together with her group and activities, she was a Full Professor of Telecommunication at KTH Royal Institute of Technology, where she founded and led Optical Networks Lab. Her research interests include fiber access and 5G transport networks, energy and cost efficiency, optical datacenter networks, photonics in switching, optical network control, reliability, security and survivability. She has been involved in several EU projects and coordinating national and international research projects.



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).
- ▶ Paper submissions to entire ICC/GLOBECOM have dropped ~20% in the same time frame.
- ▶ Competitions from other symposia/tracks (Next-generation networking and Internet, Green communications systems and networks, SAC Machine Learning for Communications, etc)
 - SAC Machine Learning for Communications in ICC 2022 received 200+ submissions!
- ▶ Hope the situation will be getting better after reopen of the world and removing travel restrictions in countries.
- ▶ **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)
 - Submissions
 - 46 Papers: 20 Networks, 26 Systems
 - Accepted
 - 20 Papers: 10 Networks, 10 Systems
- ▶ GLOBECOM 2022 (Rio de Janeiro, Brazil):
 - ONS Chairs: Suresh Subramaniam (George Washington University), Anas Chaaban (UBC)
 - **Submission deadline: May 8, 2022**
 - **JOCN SI for top-scored papers?**

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.

Future OFC/ICC/GC Conferences

- ▶ ICC 2022, May 16-20, Seoul, Korea,
- ▶ ECOC 2022, Sep. 18-22, Basel, Switzerland
- ▶ 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

- 26th International Conference on Optical Network Design and Modelling (ONDM 2022) (May 16-19, 2022, Warsaw, Poland)
 - <https://ondm2022.com/>
- The 31st International Conference on Computer Communications and Networks (ICCCN 2022) (July 25 - July 28, 2022, Waikiki Beach, Honolulu, HI, USA)
 - <http://www.icccn.org/icccn21/index.html>
- OECC/PSC 2022 (Jul. 3-7, 2022, Toyama, Japan)
- FUTURE OPTICAL NETWORKS & COMMUNICATIONS SYMPOSIUM (Oct. 12-14, 2022, Montreal, Canada), **JOCN SI**

Journal Updates

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

Postdocs vacancies in Chalmers

- Position on Federated learning
 - 1-year project
 - Project scope
 - Multi-thread protocol design
 - Queueing model for federated learning
 - Use case specification and validation through tight collaborations with Ericsson
 - Expertise expected
 - queueing models,
 - network architecture,
 - resource allocation,
 - distributed/federated machine learning algorithms
- **Contact: Prof. Lena Wosinska (wosinska@chalmers.se)**
- **Application deadline: May 31, 2022**



Postdocs vacancies in Chalmers

- Position on Optical quantum network
 - 2-years project
 - Project scope
 - protocol design for interconnecting distributed quantum systems
 - optical quantum network planning and provisioning
 - resource allocation optimization for telecom and quantum co-existence network
 - Expertise expected
 - quantum communication network
 - optical network infrastructure
 - routing and resource allocation
 - **Contact: Dr. Rui Lin (ruilin@chalmers.se)**
 - **Application deadline: May 31, 2022**



Any Other Business (AOB)

- ▶ ONTC's nomination/endorsement for ComSoc Distinguished Lecturer (DL)
 - Application deadline of DL: Sept. 30, 2022
 - Submissions for the 2023-2024 DL Program will be open in Jul. 2022
 - Request for ONTC's nomination/endorsement should be sent to Massimo Tornatore by Sept. 15, 2022
- ▶ Any other issues?