

Agenda for the Optical Networking Technical Committee (ONTC) Meeting

OFC 2024

Date: Wednesday, March 27, 2024

Time: 12.30-14.00 (Pacific Daylight Time)

Place: 14.A at San Diego Convention Center and remotely via Teams

1. Welcome and Introductions

Elaine welcomed and thanked everyone attending the ONTC meeting.

Elaine shares the screen and introduces the agenda for the meeting.

2. Approval of the minutes from ONTC meeting from ICC 2023

https://site.ieee.org/comsoc-ontc/files/2023/12/GLC2023_ONTC_minutes_v3.pdf

Moved: Paolo Monti

Seconded: Zuqing Zhu

Minutes approved after votes.

3. 2023 ONTC Awards

Elaine: We have an open call for nominations regarding the ONTC awards for 2023, Malathi Veeraraghavan ONTC Outstanding Service Award and ONTC Outstanding Technical Achievement Award. Elaine strongly suggested to provide nominations by 30 April 2024, and highlighted the members of the ONTC awards subcommittee.

4. Statistics of ONS in ICC/GLOBECOM

Elaine reported that submissions of ICC and GLC have gone down a bit in recent years. Elaine highlighted the fact that if we do not have enough submissions in the coming years, we might lose ONS, and that is the only symposium that we have in ICC and GLC.

Raul emphasized that compared to previous years, the submission for ICC 2023 and GLC 2023 are higher than last years, however, still lower than in the pre-covid era, and highlighted on the fact that the optical wireless submissions are in increasing number in the recent years.

Murat suggested that we may reach out and see if it makes sense to include the quantum session within the ONTC, as that is a domain where the number of submissions has been increasing in recent years.

Elaine emphasized that the special issues from JOCN has had an impact in increasing the number of submissions and reported the messages from Jerzy and Nicola regarding Globecom 2023.

The number of submissions and accepted papers from ICC 2023/GLOBECOM 2023 are as follows:

ICC 2023 (Rome, Italy):

- a. ONS Chairs: Raul Munoz (CTTC, Spain), Murat Yuksel (UCF, USA)
- b. Submissions (Acceptances)
 - 54 (21) Papers: 30 (11) Networks, 24 (10) Systems

GLOBECOM 2023 (Kuala Lumpur, Malaysia):

- a) ONS Chairs: Jerzy Domzal (AGH University of Science and Technology, Poland), Nicola Andriolli (CNR, Italy)
- b) Submissions (Acceptances):
 - 61 (24) Papers: (9) Networks, (15) Systems

5. Future ICC/GLOBECOM Conferences (ICC 2024 and Globecom 2024)

Anny (ONS chair, Globecom 2024) encouraged everyone present to submit any relevant works they have ongoing, highlighting that the deadline is April 1st

Dan raised a concern that while the submissions for ICC are down, the submissions for other conferences seem to be stable

Elaine reported the number of submissions for ICC 2024 and encouraged to submit to Globecom 2024

- ICC 2024 (Denver, Colorado, USA)
 - ONS Chairs: Luca Valcarenghi (Scuola Superiore Sant'Anna, Pisa, Italy), Lutz Lampe (University of British Columbia, Canada)
 - Submissions (Acceptances):
 - 53 (21) Papers: 26 (10) Networks, 27 (11) Systems
- GLOBECOM 2024 (Cape Town, South Africa)

- ONS Chairs: Anny Zhang (Google, USA) and Xiaoliang Chen (Sun Yat Sen University, China)
- Deadline 1st April 2024

6. FUTURE ICC/GLOBECOM conferences

Elaine shared the details on the future conferences, and invited anyone involved to share an update

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

Massimo mentioned HPSR that will be organized in Pisa, Italy and highlighted that he is in the steering committee together with Zuqing. Massimo encouraged everyone to submit, mentioning that deadline is beginning of April.

Bis invited Byrav to provide an update on ANTS.

Byrav discussed the details of the conference, highlighting that deadline is this summer and invited everyone to submit for this year's edition.

Bis encouraged everyone to also attend, and mentioned that both Dan and Lena have attended multiple times and invited everyone to attend.

Piero brought up that ONDM in 2025 will be organized in Pisa, Italy.

Raul reported that NoF conference will be in Barcelona in October and that submission is in a month.

The list of other future conferences is the following:

- OFC 2024, 24-28 March, San Diego, USA.
- ONDM 2024, 6-9 May, Madrid, Spain.
- HPSR 2024, 5-7 June, USA.
- ICC 2024, 9 - 13 June, Denver, Colorado, USA.
- OECC 2024, 30 June – 4 July, Melbourne, Australia.
- ECOC 2024, 22-26 September, Frankfurt, Germany.
- NoF 2024, 2-4 October, Barcelona, Spain.
- GLOBECOM 2024, 8-12 December, Cape Town, South Africa.
- IEEE ANTS 2024, TBA.
- OFC 2024, 30 March - 3 April, San Francisco, USA.
- ICC 2025, 8 - 14 June 2025, Montreal, QC, Canada.

7. Journal Updates

Elaine reported the list of journals with open submissions and invited everyone to report in case they are aware of any other special issue, beyond the ones reported below:

IEEE Journal on Selected Areas of Communications

Special Issue on Next-Generation Optical Communications and Networking (Deadline: 5 April 2024)

Optica/IEEE Journal on Optical Communications and Networking

Special Issue on Benchmarking in Optical Networks (Deadline: 1 May 2024)

Special Issue on Spatial Parallelism for Next Generation High Capacity Transport (Deadline: 15 May 2024)

IEEE Networking Letters continuous submission

IEEE Open Journal of the Communications Society continuous submission

IEEE Transaction of Communications (Optical Communications) continuous submission

[Laurent] reported on the special issues on JOCN (sent also via the newsletter), with an emphasis on the special issue on “Benchmarking optical networking”, and highlighted that there is another special issue on the works related to the datacenter AI networking

Vincent raised a concern that there was no Charles Kao award this year

Laurent clarified that yes, there was a gap in 2021 and 2022, partially due to passing of Jane but this year there were submissions (deadline February 15), and offered to provide further clarifications to Vincent offline

8. Presentation by IEEE International Network Generations Roadmap (INGR) Chair and Vice-Chair

Elaine presented Shan from the INGR to provide a presentation on the IEEE Future Networks International Networks Generation Roadmap

Shan described the mission of the INGR, highlighting that the idea is to stimulate industry-wide dialogue to address the challenges of 5G development and deployment. Jun emphasized that Dan is co-chair of this WG, and emphasized that there are opportunities to collaborate for all those interested. INGR has 15 WG, the output is to prepare a 5-year, 10-year roadmap WGs are organized in Access, Edge/Core Networks, and Systems and Services.

Dan emphasized that this was a 5G Networks initiative and they had asked to contribute, and as a result it now includes optical networks as well. Dan emphasized that Optics WG outputs are to prepare roadmaps, whitepapers, webinars, workshops/panels. Every year around June the roadmap is published (a major and minor releases every other year).

Elaine encouraged everyone to contact Dan and/or Shan to participate to the WG.

Shan provided a list of WG contributors, presented the scope (highlighting key network sections and technologies) and listed the accomplishments of the WG. Shan concluded emphasizing that there are two conference calls every other week and those interested and welcomed to join.

9. Meet and Greet with IEEE ComSoc Volunteer Leaders

Elaine introduced Anna, Loukas, and Bis as the ONTC volunteers

Each of the volunteer leaders provided a description of their background, activities throughout the years and provided their personal experiences in the field of optical networking

10. Any Other Business (AOB)

As there was no other points to discuss, Elaine adjourned the meeting.

Attendees

Name
Raul Muñoz
Elaine Wong
Massimo Tornatore
Zhizhen Zhong
Piotr Lechowicz
Paolo Monti
Carlos Natalino
Ramon Casellas
Piero Castoldi
Vittorio Curri
Memedhe Ibrahim
Gary Gonchev
Yusuke Hirota
Ricard Vilalta
Jun Shan Wey
Vincent Chan
Lena Wosinska

Biswanath Mukherjee
Dan Kilper
Chathu Ranaweera
Lihua Ruan
Hanyu Gao
Qunzhi Lin
Zuqing Zhu
Anna Tzanakaki
Laurent Schares
Andrea Sgambelluri
Filippo Cugini
Yan He
Paikun Zhu
Diana (Tingxuan) Zhu
Stephan Pachnicke
Yuxiao Wang
Murat yuksel
Suman Kr Dey
Koteswararao Kondepu
Andrea Bianco
Marco Ruffini
Andrea Marotta
Anny Zheng
Byrav Ramamurthy
Carlo Centofanti
Borja Genoves Guzman