

## Agenda for the Optical Networking Technical Committee (ONTC) Meeting

### Pre-ICC 2022

Date: Wednesday, May 4, 2022

Time: 2-3 pm CEST

Place: Virtual Meeting

### 1. Welcome and Introductions

Zuqing Zhu welcomed and thanked remote participants for attending the ONTC meeting.

Round table introductions.

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

### 2. Approval of the minutes from ONTC meeting from pre-OFC 2022

[https://site.ieee.org/comsoc-ontc/files/2022/03/Post-OFC\\_ONTC\\_minutes\\_v2.pdf](https://site.ieee.org/comsoc-ontc/files/2022/03/Post-OFC_ONTC_minutes_v2.pdf)

Moved: Maite Brandt-Pearce

Seconded: Massimo Tornatore

Minutes approved after votes.

### 3. Invited talk from Daniel Kilper “Optics Working Group and Roadmap”

- IEEE International Network Generations Roadmap (INGR)  
(<https://futurenetworks.ieee.org/roadmap>)
- Dan introduces INGR, describing its mission and its focus on future networks, including optical communications
  - o INGR is a mix of industry and academia and its main goal is to come up with a roadmap to identify challenges and solutions for the next 3-10 years
  - o INGR includes 23 IEEE Societies and Operating Units, and provides various webinars and it is an excellent chance to get visibility for research activities
  - o Optics Working Group: main activity is to build a roadmap for future research directions, organize webinars and whitepapers
  - o There might be a workshop in ECOC2022 and Optics Symposium FNWF'22 (October, Montreal)
  - o Current Roadmap areas include:
    - Optical Xhaul networks, High Speed Optical Access Networks, Machine Learning in Optical Networks, Optical Fibers and Spatial Division Multiplexed Networks, Quantum Communications and more
  - o Dan encouraged the attendees to participate and become part of INGR, emphasizing that the current chapter provides some good state-of-the-art summary (where we are and where things are headed)
  - o Dan also highlighted near-term, mid-term and long-term challenges, and potential solutions
  - o Dan invited everyone to also submit to the Future Optical Networks & Communication Symposium (12-14 May in Montreal, Canada)
    - Co-chairs: Dan Kilper, Lena Wosinska, Zuqing Zhu
  - o Marco asked what is the best way to join. Dan replied that anyone interested to join can send an email to him ([dan.kilper@tcd.ie](mailto:dan.kilper@tcd.ie))

### 4. ONTC 2021 Awards

- Outstanding Service Award
  - o Zuqing explained that there was only one nomination and that the sub-committee decided to defer award assignment to when there will be more nominees
- ONTC Technical achievements
  - o Zuqing explained there were three nominations and the winner is Prof. Lena Wosinska
  - o Lena thanked the ONTC for this great recognition and stated that: “*Over the years I have worked with talented young people that contributed to the achievements mentioned in the slide.*”
  - o Zuqing informed Lena that there will also be an official email with the confirmation of winning the award.

## 5. ICC and GLOBECOM conference updates

- Zuqing provided some statistics of submissions over the years and emphasized that there has been a drop in number of submissions, possibly due to the pandemic, and that there is an effort to boost-up the number of submissions, and encouraged the attendees to submit to Globecom2022
- Suresh emphasized that so far the situation is dire as there are only 21 submissions, and encouraged attendees to submit
- Zuqing said that indeed due to this trend of low number of submissions, there is a risk of downgrading the Optical Networks Symposium
- Nelson encouraged everyone to submit, highlighting that everyone who will attend Globecom2022 will have a great experience in Rio and that they are happy to receive more submissions
- Zuqing asked if there will be a JOCN special issue for best papers accepted in Globecom2022. Suresh clarified that it is not confirmed yet, but it is very likely that best papers will be invited to JOCN
- Zuqing strongly encouraged everyone to submit, and the JOCN special issue is another strong reason and mentioned again that there is a risk of downgrade of the ONS in Globecom
- Marco asked if May 8<sup>th</sup> is the final extended deadline. Nelson said that May 8<sup>th</sup> is already an extended deadline, but that it is very likely to have another extension and encouraged everyone who is in early stages of preparing the paper to continue to work on it, since it is very likely there will be another extension
- Lena mentioned the symposium organized together with Dan, and that it is expected that there will be a special issue in a Journal and that the current deadline is May 15<sup>th</sup>, however, an extension is expected

## 6. ICC and GLOBECOM

### ICC 2022, Seoul, South Korea

ONS Chairs:

- Marco Ruffini (Trinity College Dublin) and Steve Hranilovic (McMaster University)
  - 46 papers submitted (20 Networks, 26 Systems)
  - 20 papers accepted (10 Networks, 10 Systems)

### ICC 2023, Rome, Italy

ONS Chairs:

- Raul Munoz (CTTC, Spain) and Murat Yuksel (University of Central Florida)
- Zuqing emphasized that Raul is a c-chair
- Raul said that so far there has not been any action but there should be soon
- Murat said that they plan to start soon
- Zuqing encouraged to boost-up submissions since there is a risk of losing the symposium due to the low number of paper submissions

### ICC 2023, Kuala Lumpur, Malaysia

ONS Chairs:

- Jerzy Domzal (AGH University of Science and Technology, Poland), Nicola Andriolli (CNR, Italy)

### ICC 2024, Denver, Colorado, Malaysia

ONS chairs: nominations submitted

## 7. Other Conference updates

- 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
- 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**
- Zuqing asked if there is anyone from the organizers of the conferences that are co-sponsored by ONTC
- Massimo said that he is part of the organizing committee of ONDM 2022, and encouraged everyone to attend since there will be a very interesting technical program. Massimo also emphasized that attending the conference online will be free, so it is a great chance to get updated on latest trends
- Lena encouraged everyone to also attend in person
- Massimo agreed with Lena and suggested that joining in person is preferred but in case it is not possible, then attending online will be free or charge
- Zuqing encouraged everyone to also attend the symposium on Future networks organized by Lena and Dan. Lena said that the conference itself is huge, however the optical symposium is new

## 7. Journal updates and reports

- IEEE Networking Letters continuous submission <https://www.comsoc.org/publications/journals/ieee-lnet>
- JOCN
- JLT
- TNSM
- Zuqing asked if anyone has news on some special issues on these journals
- Massimo explained that regarding TNSM, it is a recent news that the special issue on design and management of reliable networks (on topics relevant to ONTC as resiliency and protection) is going to be renewed for next year, and it will be third year in a row (deadline around November)
- Zuqing asked if there is any guest editors for JLT or JOCN?
- Marija said that the JOCN special issue for ONDM-2021 has been published, and a total of five papers were published
- Zuqing asked if there are any other updates
- Zuqing announced post-doc vacancies in Chalmers
- Lena said that we would like to hire a post-doc for a project, for a collaborated with Ericson regarding Federated Learning
- Zuqing provided also another opportunity for a position on optical quantum network, for a 2-year

## 8. Other business and adjournment

- 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

**Attendees**

Name
Massimo Tornatore
Memedhe Ibrahim
Zuqing Zhu
Cyn Sikora
Carlos Natalino
Suman Kr Dey
Elaine Wong
Jerzy Domzal
Krzysztof Walkowiak
Guy Omidyar
Pascal Lorenz
Luca Valcarengi
Maite Brandt-Pearce
Nelson Fonseca
Andrea Bianco
Ramon Casellas
Raul Munoz
Chathu Ranaweera
Suresh Subramaniam
Imali Dias
Koteswararo Kondepu
Laurent Schares
Murat Yuksel
Ricard Vilalta
Lena Wosinska
Marco Ruffini
Marija Furdek
Sampath Edirisinghe
Shiwen Mao
Wei Zhang
Salvatore Spadaro
Paolo Monti