

## **Optical Networking Technical Committee OFC 2017**

Wednesday, March 22nd, 2017

12:00-2:00pm

Room 501C

Los Angeles, CA

Start: 12 PM

1. *Welcome/Introductions*

2. *Approval of the Globecom 2016 minutes. The draft minutes are available online, please review before the meeting: <http://ontc.committees.comsoc.org/meetings/>*

Minutes approved

3. *Conference and Journal updates and reports*

### *Reports*

OECC/PS 2016, July 3-7, 2016, TOKI MESSE Niigata Convention Center, Japan

Kiichi Hamamoto:

Acceptance ratio (311 regular papers + 87 invited papers) total: 48.5%

Cat. 1. Core/Access Networks and Switching Subsystems: 43.48%

Cat. 2. Transmission Systems and Subsystems: 48.86%

OFC 2017,

N3 Massimo T.: stable and good number of submissions (90) (more metro compared to previous years, 5G impact on metro, one postdeadline)

ONDM 2017

Hiroaki H.: submissions 35

ICC 2017

George R.: 100 submission (54 networks/46 systems); 39 accepted (25 networks/14 systems)

### *Upcoming conferences*

GC 2017

Paolo M.: EDAS open, encourage to submit

ONS @ ICC Shanghai 2019 open for nomination

IEEE NFV/SDN Nov. 6-8, 2017, Berlin Germany (deadline: full paper May 15 (EXTENDED))

OECC and PGC 2017, 31 July - 4 August 2017, Sands Expo and Convention Centre, Singapore

ICTON 2017, July 2-6, 2017, Girona, Spain

OSA Advanced Photonics Congress (Photonic Networks and Devices Photonics in Switching), July 24-27, 2017, New Orleans,

### *Journals*

### *Reports*

OSN 2016 Fabio Neri Best Paper Award

A. Bononi, P. Serena, A. Morea, G. Picchi, "Regeneration Savings in Flexible Optical Networks with a New Load-Aware Reach Maximization." Vol. 19, pp. 123-134

M. Imran, M. Collier, P. Landais, K. Katrinis, "Performance Evaluation of Hybrid Optical Switch Architecture for Data Center Networks." Vol. 21, pp. 1-15 Fabio Nero Best paper award

Process for assigning it: nominations by associate editors and decision based on download and some additional criteria

JOCN special issue for highly scored papers of ONS @ ICC 2016

[https://www.osapublishing.org/jocn/journal/jocn/feature\\_announce/ONSOWC2016.cfm](https://www.osapublishing.org/jocn/journal/jocn/feature_announce/ONSOWC2016.cfm)

Walter C.: Walter Cerroni and Zabih Ghassemlooy are guest editors. The authors of the top-ranked papers from the ICC 2016 ONS Symposium and OWC Workshop were invited to submit extended versions of their work. 12 submissions were received, 6 on networks, 6 on systems. The first review round is almost complete and 5 submissions have already received the first decision. The publication target is the July 2017 issue.

### *Upcoming journal issues*

OSN Special Issue: "Optimization of Wired and Wireless Optical Networks"

Submission deadline: June 1, 2017

Special issue of OFC 2017 for JOCN

Robert D.: Invitation process is as follows. OFC subcommittees select papers -> chosen papers sent to JOCN -> JOCN negotiates with JLT which are appropriate -> JOCN sent invitations.

#### *4. Presentation by Prof. Pablo Pavon on his network planning tool and related start-up company*

Pablo Pavon startup

[www.e-lighthouse.com](http://www.e-lighthouse.com)

CEO Dr. Jesus Banegas Nunez

[Github.com/girtel/net2plan](https://github.com/girtel/net2plan)

#### *5. Discussion on emerging technologies and research directions*

Only a couple of people responded to invitation by George R.

Discussion is open during the meeting.

Following topics have been selected: SDN and NFV, open standards in coherent transmission, and routing & switching hardware, machine learning/data analytics for optical networks, optics in 5G (transport and optical technologies for MIMO, beamforming), small cell placement, technoeconomics, Spatial Division Multiplexing, free space optics/optical networking (backhaul/datacenter), fog computing and networking, security/optical in the optical domain, quantum cryptography, optical networks for datacenters

## *6. Other business*

### *Call for nominations*

ONTC Secretary for 2018-19

Election to be held at ONTC meeting @ GC 2017 in Singapore

ONTC Awards – presented annually at GC

Technical Achievement

Outstanding Service

ONS Chairs for future GC/ICC Conferences

Comsoc Distinguished Lecturers

Nomination deadline: September 30, 2017

IEEE Fellows

ONTC endorsement

Jane S.: the Fellow Evaluation Committees of ComSoc and the Photonics Society receive the Endorsement Letters but not the Letters of Recommendation. The Letters of Recommendation are only seen by the IEEE Fellow Committee. The Endorsement Letters are used to verify the claims made on the nomination form (e.g., verify the role that the nominee had in a project, verify the nominee's impact). They are not to be treated as letters of recommendation – they should not be expressing an opinion of the nominee. Endorsements were created to benefit nominees from industry, where their work may be proprietary and not widely publicized, and where their colleagues may not be Fellows. Also note that endorsements that simply repeat what is on the nomination form are of little value.

Vincent C.: some issue with system nominations (letter of nominations do not go through the system), evaluation is based also on people from different topics, this year Comsoc committee no people from optics in the committee

Vincent C.: discussion about sharing reference letters among the ONTC members

End: 1.30PM

Attendance List

<b>First Name</b>	<b>Last Name</b>	<b>Email</b>	<b>Affiliation</b>
George	Rouskas	rouskas@ncsu.edu	North Carolina State University
Luca	Valcarenghi	l.valcarenghi@sss.up.it	Scuola Superiore Sant'Anna, Pisa
Carla	Raffaelli	carla.raffaelli@unibo.it	UniBO
Koteswararao	Kondepu	koteswararao.kondepu@gmail.com	Univ Bristol
Nicola	Sambo	nicola.sambo@santannapisa.it	Scuola Superiore Sant'Anna
Massimo	Tornatore	massimo.tornatore@polimi.it	Politecnico Milano
Hiroaki	Harai	Harai@nict.go.jp	NICT
Masatoshi	Suzuki	suzuki@kddi-research.jp	KDDI Research
KIchi	Hamamoto	hamamoto.kiichi.616@m.kyushu-u.ac.jp	Kyushu University
Jason	Jue	jjue@utdallas.edu	UTD
Akihiko	Kasukawa	akihiko.kasukawa@furukawaelectric.com	Furukawa Electric
Zuqing	Zhu	zqzhu@ieee.org	University of Science and Technology of China
Yi	Zhu	yzhu@hpu.edu	Hawaii Pacific University
Lena	Wosinska	Wosinska@kth.se	KTH Royal Institute of Technology, Sweden
Krzysztof	Walkowiak	Krzysztof.walkowiak@pwr.edu.pl	Wroclaw Uni. of Science and Technology
Vincent	chan	chan@mit.edu	mit
Doug	Zuckerman	W2xd@aol.com	Vencore Labs
Avishek	Nag	naga@tcd.ie	Trinity College Dublin
Silat	Ferdousi	sferdousi@ucdavis.edu	UC Davis
Dan	Kilper	dkilper@optics.arizona.edu	U Arizona
Yutaka	Miyamoto	miyamoto.yutaka@lab.ntt.co.jp	NTT Network Innovation Laboratories
Jane	Simmons	Jsimmons@monarchna.com	Monarch Network Architects
Armando	Pinto	anp@ua.pt	University of Aveiro
Robert	Doverspike	rdoverspike0315@gmail.com	Network Evolution Strategies, LLC
Pablo	Pavan	Pablo.pavon@upct.es	Technical University Cartagena (Spain)
Salvatore	spadaro	spadaro@tsc.upc.edu	technical university of Catalonia
Paolo	Monti	pmonti@kth.se	KTH Royal Institute of Technol
Filippo	cugini	filippo.cugini@cnit.it	CNIT
Domenico	siracusa	dsiracusa@fbk.eu	FBK
Arsalan	Ahmad	arsalan.ahmad@seecs.edu.pk	NUST-SEecs Islamabad Pakistan
Darli	Mello	darli@decom.fee.unicamp.br	Unicamp