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Wednesday, October 19, 09:00 - 09:10

FOAN OPENING SESSION

dr. Edvin Skaljo, BH Telecom&University of Sarajevo, Bosnia and Herzegovina

Room: 02.2

Wednesday, October 19, 09:10 - 10:30

Telecom session

KEYNOTE SPEAKER: Cláudio Emanuel Rodrigues, Altice Labs, Portugal

Room: 02.2
Chair: Gerd Keiser (Boston University & PhotonicsComm Solutions, USA)

09:10 ***FTTH in Portugal and How to use WDM-PON to Boost the Fibre Investments*** ***N/A***
Cláudio Emanuel Rodrigues (Altice Labs, Portugal)

09:40 ***Sub-Band Vectoring: A Proposal to Speed-up Fast Ultra-broadband Coverage in Europe while Promoting Fair Infrastructure Competition*** ***1***
Francesco Vatalaro (University of Rome Tor Vergata, Italy); Franco Mazzenga (Università di Roma Tor Vergata, Italy); Romeo Giuliano (Università di Roma Tor Vergata & RadioLabs, Consorzio Università Industria - Laboratori di Radiocomunicazioni, Italy)

10:00 ***Coexistence of access and backbone networks with sensor systems*** ***7***
Petr Munster (CESNET, a. l. e., The Czech Republic); Josef Vojtech (CESNET, a.l.o., Czech Republic); Tomas Horvath (CESNET, a. l. e., Czech Republic); Ondřej Havliš (CESNET, Czech Republic); Martin Slapak (CESNET, a. l. e., Czech Republic); Pavel Skoda (CESNET, Czech Republic); Jan Radil (CESNET, a.l.o., Czech Republic); Miloslav Hůla (CESNET, Czech Republic); Radek Velc (CESNET, a. l. e., Czech Republic)

Wednesday, October 19, 10:30 - 11:00

COFFEE BREAK

Wednesday, October 19, 11:00 - 12:00

ICUMT/FOAN Invited speak

dr Henri Hodar, Co-founder of Tetra Tech&Editor in Chif of Fiber and Integrated Optics&President of Symbioptix, Inc, US

Room: Grand Auditorium

11:00 ***My Forty-year Adventure in the Wonderful World of Fiber Optics!*** ***N/A***
Henri Hodara (Symbioptix, USA)

Wednesday, October 19, 12:00 - 13:10

LUNCH BREAK

Wednesday, October 19, 13:10 - 13:45

INVITED SPEAK - INDUSTRY EXPERT

Dr. Jonathan Ma, President & CEO of OpenCon Systems Inc, US

Room: 02.2

13:10 ***Network Virtualization and vOLT*** ***N/A***
Jonathan Ma (OpenCon Systems Inc, USA)

Wednesday, October 19, 13:45 - 14:30

Telecom Session cont.

Room: 02.2
Chair: Gerd Keiser (Boston University & PhotonicsComm Solutions, USA)

13:45 ***Designing and Testing 1 x N Visual Light Communication System for Homes/buildings*** ***12***
Kimio Oguchi and Mayu Nishino (Seikei University, Japan)

14:05 ***Toward Fully-Shared Access: Hybrid ISP Traffic Control Architecture and Service Plans Exploiting Excess Bandwidth in Shared Access Networks*** ***16***
Kyeong Soo Kim (Xi'an Jiaotong-Liverpool University, P.R. China)

Wednesday, October 19, 14:30 - 15:00

COFFEE BREAK

Wednesday, October 19, 15:00 - 16:30

PON Session

KEYNOTE SPEAKER: Professor Antonio Teixeira,University of Aveiro & Insitituto de Telecomunicações, Portugal

Room: 02.2
Chair: Bostjan Batagelj (University of Ljubljana & Faculty of Electrical Engineering, Slovenia)

15:00 ***The role of Photonic integration in PON*** ***N/A***
Antonio Teixeira (DETI, University of Aveiro & Insitituto de Telecomunicações, Portugal)

15:30 ***Experimental Demonstration of SCM-PON Monitoring with Baseband Embedded OTDR*** ***20***
Diego Villafani Caballero (Pontifical Catholic University of Rio de Janeiro, Brazil); Luis Y. Herrera (PUC-RIO, Brazil); Gustavo Amaral (Pontifical Catholic University of Rio de Janeiro, Brazil); Patryk Urban (Ericsson AB, Sweden); Jean Pierre von der Weid (Pontifical Catholic University of Rio de Janeiro, Brazil)

15:50 ***Investigation on Optimal Transmission Parameters for Different Modulation Formats in 10 Gbit/s WDM-PON Systems*** *24*

Inna Kurbatska, Sandis Spolitis, Ģirts Ivanovs and Vjaceslavs Bobrovs (Riga Technical University, Latvia)

16:10 ***MPCP adjusting for improving QoS in Green WDM EPON*** *29*

Bojan Pajcin (Universiti of Belgrade & IRITEL AD, Serbia); Petar S Matavulj (Faculty of Electrical Engineering, University of Belgrade, Serbia); Mirjana Radivojevic (School of Computing Science, University Union, Serbia)

Wednesday, October 19, 16:30 - 17:55

Fiber AND Free Space Optics

KEYNOTE SPEAKER: Professor Ali Serpengüzel, Koç University, Turkey

Room: 02.2

Chair: Kimio Oguchi (Seikei University, Japan)

16:30 ***Meandering Fiber Optic based Lightwave Circuit Elements for Integrated Photonics*** *N/A*

Muhammad Zakwan (Koç University, Turkey); Ceren Dag (University of Michigan, USA); Ali Serpengüzel (Koç University, Turkey)

17:00 ***Different Optical Fiber Nonlinear Coefficient Experimental Measurements*** *35*

Sugan Shakya (Riga Technical University, Nepal); Andis Supe, Ingrida Lavrinovica and Sandis Spolitis (Riga Technical University, Latvia); Jurgis Porins (Riga Technical University & Faculty of Electronic and Telecommunications, Latvia)

17:20 ***Fabrication of a Single-Mode Seven-Core Optical Fiber Using the Stack-and-Draw Procedure*** *39*

Ahmed Samir (University of Ljubljana, Faculty of Electrical Engineering, Slovenia); Luka Perpar (Optacore, Slovenia); Bostjan Batagelj (University of Ljubljana & Faculty of Electrical Engineering, Slovenia)

17:40 ***Calculation of Coupling Losses Between Laser Diodes and Large Mode Area Photonic Crystal Fibers*** *43*

George S. Kliros (Hellenic Air-Force Academy, Greece); George K. Paschalidis (Hellenic Air-Force Academy & Hellenic Air-Force, Greece)

Wednesday, October 19, 18:15 - 18:25

S6: Clossing session