2017 International Workshop on Fiber Optics in Access Network (FOAN 2017)

Munich, Germany 6-8 November 2017



IEEE Catalog Number: CFP1796V-POD ISBN: 978-1-5386-2414-2

Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc. All Rights Reserved

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

 IEEE Catalog Number:
 CFP1796V-POD

 ISBN (Print-On-Demand):
 978-1-5386-2414-2

 ISBN (Online):
 978-1-5386-2413-5

Additional Copies of This Publication Are Available From:

Curran Associates, Inc 57 Morehouse Lane Red Hook, NY 12571 USA Phone: (845) 758-0400

Fax: (845) 758-2633

E-mail: curran@proceedings.com Web: www.proceedings.com



Registration

FO: OPENING SESSION

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

INVITED TALK: Dr. Igor Brusic, Vice President at Lower Austrian Fiber Infrastructure Ltd, Austria

Access Network1

Copper Transmission for Multi-Gigabit Hybrid Copper-Fiber Access Networks "% Rainer Strobel (Intel Corporation, Germany)

Optical access networks deployment in Croatian telecommunications market "+
Damir Breskovic (FESB, University of Split & Ericsson Nikola Tesla, Croatia); Mladen Sikirica (HAKOM, Croatia); Dinko Begusic (University of Split, FESB-Split, Croatia)

Access Network2

Large-Scale Location-Aware Services in Access: Hierarchical Building/Floor Classification and Location Estimation using Wi-Fi Fingerprinting Based on Deep Neural Networks "%)

Kyeong Soo Kim (Xi'an Jiaotong-Liverpool University, P.R. China); Ruihao Wang (Xi'an Jiaotong-Liverpool University & None, P.R. China); Zhenghang Zhong (Xi'an Jiaotong-Liverpool University (XJTLU), P.R. China); Zikun Tan (University of Liverpool, United Kingdom (Great Britain)); Haowei Song (Xi'an Jiaotong-liverpool Uiversity, P.R. China); Jaehoon Cha (Xian Jiaotong Liverpool University, P.R. China); Sanghyuk Lee (Xi'an Jiaotong-Liverpool University, P.R. China)

A Measurement Plane to Monitor and Manage QoS in Optical Access Networks "&\$
Francesco Matera and Edion Tego (Fondazione Ugo Bordoni, Italy); Emanuele Nastri (ISCOM, Italy);
Vincenzo Attanasio (Iscom, Italy)

LUNCH BREAK

F2: Passive Optical Networks

Comparison of C-band and L-band WDM-PON systems performance with PAM-4 modulation format "& Sandis Spolitis, Inna Kurbatska and Vjaceslavs Bobrovs (Riga Technical University, Latvia)

What does mean adaptive sleep cycle in energy efficient optical access network?" %

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

Coherent Nyquist UDWDM-PON with 2.5 Gb/s/user and 15 dB Differential Link-Loss ** *

Juan Camilo Velásquez Micolta and Jeison Tabares (Universitat Politècnica de Catalunya, Spain);
Ivan Cano, Victor Polo and Josep Prat (UPC, Spain)

Implementation of NG-PON2 Transmission Convergence Layer into OPNET Modeler — Tomas Horvath (Brno University of Technology, Czech Republic); Petr Munster (Brno University of Technology); Patrik Cymorek and Vaclav Oujezsky (Brno University of Technology, Czech Republic);

2 COFFEE BREAK

INVITED TALK: Professor Makoto Kawashima, College of Engineering, Chubu University, Japan.

F3: Optical sources, Modulators and Sensors

Ultra-low Thermal Coefficient Broadband Super-Fluorescent Fiber Source with Radiation Insensitivity Characteristic ""((

Ting Yi-Chia, Hsiang Wang, Lu Tsung-Yu, Lin Chia-Ju and Shien-Kuei Peter Liaw (National Taiwan University of Science and Technology, Taiwan); Ren-Young Liu (National Space Organization, Taiwan); Chow-Shing Shin (National Taiwan University, Taiwan)

Linearised Electro-Optical Modulation under Concurrent Transmissions Separated by a Wide Frequency Span "(,

Luis Ernesto Ynoquio Herrera (PUC-RIO, Brazil); Renata Leibel (PUC-Rio, Brazil); Gustavo Amaral and Jean Pierre von der Weid (Pontifical Catholic University of Rio de Janeiro, Brazil); Patryk Urban (Ericsson AB, Sweden)

Comparison of Interferometry Based and Polarization Based Sensing Systems for Use in Fiber Infrastructure Protection **.) &

Petr Munster, Tomas Horvath and Petr Sysel (Brno University of Technology, Czech Republic); Josef Vojtech (CESNET, a.l.o., Czech Republic); Radek Velc (CESNET, a. l. e., Czech Republic)

Distributed Fiber Sensing using Brillouin Optical Correlation Domain Analysis (BOCDA) up to 314 Meter '''))

Chen Guan-Hong and Shien-Kuei Peter Liaw (National Taiwan University of Science and Technology, Taiwan); Hiroki Kishikawa (Tokushima University, Japan); Nobuo Goto (The University of Tokushima, Japan); Cheng-Hsian Lee and Yu-Cheng Chou (National Taiwan University of Science and Technology, Taiwan)

Feasibility of Piezoelectric Energy Harvesting Chip Based Sensor for Human Physical Activity Monitoring ") -

Takashi Kawashima, Yoshihiro Taniura and Kimio Oguchi (Seikei University, Japan)

Comparison of the frequency responses of free-running and injection-locked Fabry-Pérot laser diodes up to 10 GHz ***

Jakup Ratkoceri (Ipko Telecommunication, Kosovo); Bostjan Batagelj (University of Ljubljana, Faculty of Electrical Engineering)

GALA DINNER ICUMT/FOAN