

# CONFERENZE INTERNAZIONALI

## Aggiornato a Luglio 2009

Attraverso la sottomissione di lavori e l'accettazione degli stessi, ad opera delle varie Scientific Committees giudicanti, presso CONFERENZE NAZIONALI ed INTERNAZIONALI la PA Italiana risulta essere presente ai suddetti eventi. Questo permette alla PA di presentarsi a queste vetrine internazionali, di toccare con mano dove il mercato si indirizza nel settore ICT e dove si investe in termini di tecnologie e di risorse umane.

S. Penna, A. Reale, G. M. Tosi Beleffi, S. Shinada, M. Nakao, N. Wada, A. L. J. Teixeira, P. S. B. Andre, "*Optoelectronic materials and components characterization for organic inorganic laser assembly*", **IEEE OECC 2009** Hong Kong, China. July 13-17 2009.

S. Penna, A. Reale, G. M. Tosi Beleffi, S. Shinada, M. Nakao, N. Wada, A. L. J. Teixeira, P. S. B. Andre, "*Hybrid Organic Active Waveguide for C-band Applications*", **COST MP0702 annual meeting at IEEE ICTON 2009** Azzores, Portugal. June 28-July 3 2009.

G.M.Tosi Beleffi, A.L.J. Teixeira, N. Wada "Remote Functionalities in Next Generation Networks" invited at **IEEE ICTON 2009** Azzores (Portugal). August 28-July 3 2009.

F. Bonada, J.A. Lázaro, V. Polo, P. Chanclou, G.M. Tosi Beleffi, J. Prat "*Remotely pumped erbium doped fibre bidirectional amplifier for gain transient mitigation*" **IEEE ICTON 2009** Azzores (Portugal). August 28-July 3 2009.

P.S. André, B. Neto, C. Reis, A.M. Rocha, N. Wada, G.M. Tosi Beleffi, A. Teixeira "*Raman amplification challenges for next generation networks*" **IEEE ICTON 2009** Azzores (Portugal). August 28-July 3 2009

C. Reis, B. Neto, R. Dionisio, G. Incerti, G. Tosi Beleffi, D. Forin, A. M. Rocha, A.L.J. Teixeira, P.S. André "*Transience analysis of bursty traffic with erbium doped fiber amplifiers*" **IEEE ICTON 2009** Azzores (Portugal). August 28-July 3 2009.

J.Prat, J.Lazaro, P.Chanclou, R.Soila, P.Velanas, A.Teixeira, G.M. Tosi Beleffi, I. Tomkos, D. Klondis "*Hybrid Ring-Tree WDM/TDM-PON Optical Distribution Network*" **IEEE ICTON 2009** Azzores (Portugal). August 28-July 3 2009.

G.Incerti, G.M.Tosi Beleffi, D. Forin, A. L.J. Teixeira "*All optical 2R regenerator System for high bit rate multi wavelength scenario*" **IEEE CONTEL 2009**, Zagreb, Croatia 8-10 June 2009.

J.Prat, A.A.Lazaro, P.Chanclou, R.Soila, P. Velanas, A.Teixeira, G.Tosi Beleffi, I. Tomkos, K. Kanonakis "*Passive optical network for long-reach scalable and resilient access*" **IEEE CONTEL 2009**, Zagreb, Croatia 8-10 June 2009.

J. Prat, J. A. Lazaro, P. Chanclou, R. Soila, P. Velanas, A. Teixeira, G. Tosi Beleffi, I. Tomkos, K. Kanonakis "A Long Reach resilient passive optical network for scalable access" **ICT Mobile Summit 2009**, Santander, Spain.

A. Baptista, N. B. Pavlović, P. André, D. Forin, G. Tosi Beleffi, J. A. Lázaro, J. Prat, and A. Teixeira, “*Improved remote node configuration for passive ring-tree architectures*”  
**IEEE ECOC 2008, Bruxelles.**

P. Chanclou, J. Lazaro, J. Prat, G. M. Beleffi, A. L. J. Teixeira, I. Tomkos, R. Solia, et al “*Optical access evolutions and their impact on the metropolitan and home networks (invited)*”  
**IEEE ECOC 2008, Bruxelles, September.**

F. Di Vincenzo, G. Cincotti, G. M. Tosi Beleffi, D. M. Forin, F. Curti, A. L. J. Teixeira “*Remote Inline All Optical Signaling and Monitoring in Passive Optical Network Scenarios by Means of Erbium Doped Fiber Amplifier Pump Modulation*”,  
**CLEO 2008 Baltimore, US, MD, Paper JWA106.**

G. Incerti, F. Incerti, F. di Vincenzo, D. M. Forin, G.M. Tosi Beleffi, F. Curti, A. Teixeira, J. Prat “*Remote Pumping and Signalling in a Passive Optical Network Scenario*”  
**IEEE ICTON 2008 Conference, Th.P2.7 June 2008.**

G. Incerti, D. M. Forin, G.M. Tosi Beleffi, F. Curti, A. Teixeira, S. Di Bartolo “*All Optical Multiwavelength Devices for ultrafast WDM signal processing*”  
**IEEE ICTON 2008 Conference, Tu. C1.2. pp121 June 2008.**

A. Teixeira, A. Vieira, J. Andrade, A. Quinta, M. Lima, R. Nogueira, P. André, G. Tosi Beleffi “*Security Issues in Optical Networks Physical Layer*”  
**IEEE ICTON 2008 Conference, Tu. We.B4.4 pp162 June 2008.**

A. Baptista, N. Pavlovic, P. André, D. Forin, G. Tosi Beleffi, J. LAzaro, J. Prat, A. Teixeira “*Reconfigurable Remote Node for Hybrid WDM Dual Fiber Ring with TDM single fiber trees passive optical network*”  
**IEEE ICTON 2008 Conference, Tu. We.A4.1 pp123 June 2008.**

S. Penna, L. Mattiello, G. Tosi Beleffi, A. Reale “*Erbium Doped organic compounds for integrated optics*”  
**IEEE ICTON 2008 Conference, Tu. We.C2.5 pp170 June 2008.**

A. Teixeira, A. Batista, N. Pavlovic, P. André, D. Forin and G. T. Beleffi “*Analysis of remotenodes parameters in passive optical networks*”,  
**CLME 2008 Conference, Maputo (Mozambique). February 2008.**

J. Lazaro, J. Prat, P. Chanclou, G. M. Tosi Beleffi, A. L. J. Teixeira, I. Tomkos, R. Solia, V. Koratzinos, “*Scalable extended reach PON*”,  
**OFC 2008 Conference, Invited OthL2, San Diego USA, February 2008.**

D.M.Forin, G.M.Tosi Beleffi, N. Corsi, V. De Sanctis, V. Sacchieri, G. Cincotti, F. Curti, A. Teixeira, “*Very high bit rates WDM transmission on a Transparent FSO System*”,  
**IEEE Leos ECOC 2007 P131 sept 2007**

V. Sacchieri, V. De Sanctis, N. Corsi, F. Curti, M. Guglielmucci, G. Tosi Beleffi, D. Forin, G. Cincotti, “*DWDM transparent FSO system for in/outdoor applications at high bit rates*”,  
**IEEE ICTON 2007, Conference, July 2007**

T. Silveira, A. Teixeira, A. Ferreira, G.M. Tosi Beleffi, D. Forin, S. Stevan Jr, P. Monteiro, “*All-optical signal processing using gain-clamped semiconductor optical amplifiers*”,  
**IEEE ICTON 2007, Invited, Conference, July 2007**

S. Di Bartolo, A. Teixeira, G.M. Tosi Beleffi, F. Curti, M. Guglielmucci, “*Radio over fiber systems based on semiconductor optical amplifier in passive optical network based on Ethernet*”,  
**IEEE ICTON 2007, Invited, Conference, July 2007**

D.M. Forin, F. Curti, G.M. Tosi Beleffi, S. Taccheo, K. Ennser, M. Karasek, A.L.J. Teixeira, "Performance evaluation of an all-optical wavelength converter TDM demux based on induced modulation on an auxiliary carrier by means of super-continuum generation",

**IEEE ICTON 2007, Invited, Conference, July 2007.**

G. Incerti, A. Teixeira, G.M. Tosi Beleffi, F. Curti, M. Guglielmucci, "All optical multichannel regeneration systems based on non linear effects",

**IEEE ICTON 2007, Conference, July 2007.**

M. Tobia, S. Taccheo, K. Ennser, D. Forin, G. Tosi-Beleffi, M. Guglielmucci, F. Curti, A. Teixeira, "Implementation of in line first-order PMD monitoring in high-bit-rate links based on supercontinuum generation in normal dispersion regime",

**IEEE/LEOS CLEO EUROPE 2007, Conference, June 2007**

V. De Sanctis, V. Sacchieri, M. Svaluto Moreolo, G. Cinco, F. Curti, M. Guglielmucci, G. Tosi Beleffi, D. Forin, A. Teixeira, "DWDM Transparent FSO System for ultrahigh bit rate applications",

**IEEE/LEOS CLEO EUROPE 2007, Conference, June 2007**

D.M. Forin, G.M. Tosi Beleffi, M. Guglielmucci, F. Curti, S. Taccheo, K. Ennser, M. Karasek, A. Teixeira, "Ultra-wide bandwidth  $\lambda$ -converter with regeneration properties",

**IEEE/LEOS CLEO EUROPE 2007, Conference, June 2007.**

D. M. Forin, G. M. Tosi Beleffi, F. Curti, N. Corsi, V. De Sanctis, V. Sacchieri, A. J. L. Teixeira, et al., "On field test of a WDM Free Space Optics transmission at very high bit rates",

**IEEE CONTEL 2007, Conference, WA2-A, 13 June 2007.**

Miroslav Karasek, António Teixeira, Giorgio Tosi Beleffi, Ruben Luís, "All-optical signal processing subsystems based on highly non-linear fibers and their limitations for networking applications",

**SPRINGER ONDM2007, Invited, Conference, Tue, 29 May 2007.**

Forin, Curti, Tosi Beleffi, Taccheo, Ennser, Karasek, Teixeira

"Ultra WideBand lambda converter with regeneration properties based on cross phase modulation effect in highly non linear dispersion flattened fiber"

**IEEE OFC 2007, Conference, Anaheim, USA, Marzo 2007**

N. Yan, A. Teixeira, T. Silveira, I. Tafur Monroy, P. Monteiro, G. Tosi Beleffi, T. Koonen.

"Optical Multicasting Performance Evaluation Using Multi-Wavelength Conversion By Four-Wave Mixing in DSF at 10/20/40 Gb/s".

**IEEE PS2006, Conference, Herakleion, Greece 16-18 October 2006.**

M. Moresco, A. Leone, G. M. Tosi Beleffi, D. M. Forin, F. Curti, G. Cincotti, A. L. J. Teixeira et al. "Dense Wavelength Division Multiplexed Transparent for ultrahigh bit rate applications and single channel Opaque Free Space Optics Systems".

**IEEE ECOC 2006, Conference, Cannes Francia, September 2006**

F. Curti, G. M. Tosi Beleffi, D. M. Forin, A. Reale, S. Taccheo, K. Ennser, M. Karasek, A. Teixeira. "All-Optical Wavelength Converter-Regenerator by Means of Out of Band Auxiliary Carrier Modulation Induced by Super-Continuum Generation".

**IEEE ICTON 2006, Conference, Nottingham, UK, 19-22 June 2006**

S. Taccheo, K. Ennser, D. Forin, G. Tosi-Beleffi and F. Curti.

"Supercontinuum-Based Devices for Telecom Applications".

**IEEE ICTON 2006, Conference, Nottingham, UK, 19-22 June 2006**

J. Aracil, S. Bjornstad, M. Casoni, K. Christodoulopoulos, J. Fdez-Palacios, C. Gauger, O. Gonzalez, G. Hu, E. Karasan, M. Klinkowski, D. Morato, R. Nejabati, H. Overby, C. Raffaelli, D. Simeonidou, J. Sole-Pareta, N. Stol, G.M. Tosi Beleffi and K. Vlachos. "The Research Agenda in Optical Burst Switching in e-Photon/One ( Tutorial )".

**IEEE ICTON 2006, Nottingham, UK, 19-22 June 2006**

Teixeira, Tosi Beleffi, Vesce et Alt.

*"Double shifted Raman amplification by means of spontaneous Rayleigh Backscattering lasing control"*.

**ICT 2006**, Conference, Madeira – Portugal.

Teixeira, Tosi Beleffi, Taccheo, Forin et Alt.

*"Converter-Regenerator based on Auxiliary Carrier induced modulation by means of Super-Continuum Generation"*.

**ICT 2006**, Conference, Madeira - Portugal.

Wada, Tosi Beleffi, Teixeira, Silveira et Alt.

*"RZ to NRZ Format Converter Based on a Semiconductor Optical Amplifier with a Saturable Absorber"*.

**IEEE/OSA, CLEO 2006**, Conference, Long Beach California, USA

Tosi Beleffi, Teixeira, Silveira et Alt.

*"All-Optical Wavelength Conversion and Reshape Based on a Single Gain Clamped SOA"*.

**IEEE/OSA, CLEO 2006**, Conference, Long Beach California, USA

N.Yan, T.Koonen, I. Tafur Monroy, A.Teixeira, T.Silveira, P.Monteiro, G. Tosi Beleffi, D.Forin

*"Simultaneous multi-wavelength signal conversion for transparent optical multicast"*

**NOC 2005**, 10th European Conference on Networks & Optical Communications, July 5th - 7th, 2005. London- UK

A. Teixeira, S.Stevan Jr, T.Silveira, R.Nogueira, G. Tosi Beleffi, D. Forin, F.Curti

*"Optical Gain Characteristics of Rayleigh Backscattered Lasing in Several Fibre Types"*

**NOC 2005**, 10th European Conference on Networks & Optical Communications, July 5th - 7th, 2005. London- UK

A. Teixeira, P. Monteiro, G. M. Tosi Beleffi et Alt.

*"All Optical Switching with SOA based devices"*

**CAOL 2005**, Yalta, Crimea-Ucraina. Presentazione Orale Su Invito

G. M. Tosi Beleffi, D. M. Forin, F. Curti, F. Matera, A. Reale, S. Betti et Alt.

*"3R All Optical Regeneration with Re-Timing stage based on a clock auxiliary carrier"*

**ICTON 2005**, Barcellona, Spagna. Presentazione Orale su Invito

A. Reale, G. M. Tosi Beleffi et Alt

*"Ir-Oled based on Er-Q"*

**SEON 2005**, Aveiro, Portugal, Presentazione Orale su Invito

G.M. Tosi Beleffi, F. Curti, D. Forin et alt

*"All Optical Fibre Auxiliary Carrier Based 2R Regenerator"*

**CONTEL 2005** June 15-17 2005

G.M. Tosi Beleffi, F. Curti, D. M. Forin et alt

*"Performance evaluation of an All-Optical Clock Recovery and data Resampling stage for NRZ Data signals"*.

**CLEO/QUELS 2005**, Baltimore, USA, Oral Presentation

D. M. Forin, F. Curti, G. M. Tosi Beleffi et alt

*"All Optical 2R Regenerator Based on Induced Phase Modulation on an Auxiliary Carrier"*

**CLEO/QUELS 2005**, Baltimore, USA, Poster Presentation.

G. M. Tosi Beleffi, D. M. Forin, F. Curti, F. Matera, A. Reale, S. Betti et Alt.

*"3R All Optical Regeneration"*

**ICTON 2004**, Wroclav, Polonia, Presentazione Orale su Invito

A. Reale, G. M. Tosi Beleffi et Alt

*"Mode Locking in SOA Fiber Loop for All Optical Clock Extraction"*

**SEON 2004**, Porto, Portugal, Presentazione Orale su Invito

G. M. Tosi Beleffi, F. Curti, D. M. Forin, F. Matera, S. Trillo, A. Reale.

*"All Optical 2R regeneration based on multi wave mixing in optical fibre"*,

**CLEO/IQUEC 2004**, San Francisco, USA, Poster Presentation,16-21 May 2004

F. Curti, G. M. Tosi Beleffi and Francesco Matera

*“Wavelength Converter-Reshaper operating at 10 Gbit/s in Dispersion Shifted fibre”*,  
**ICTON 2003**, Warsaw, Poland, Presentazione Orale su Invito, 29-03 July 2003

F. Matera, P. Franco, A. Schiffini, H. Suche, R. Bauknecht, A. Paoletti, G. Tosi Beleffi et al.

*“Towards transport networks based on 40 Gbit/s transmission: results from the IST ATLAS project”*  
**ICTON 2003**, Warsaw, Poland, 29-03 July 2003. Invitato per Presentazione Orale.

A. Schiffini, A. Paoletti, D. Caccioli, P. Minzioni, F. Matera, G. Tosi Beleffi et al.

*“Field Demonstration of all Optical In-Line Wavelength Conversion in a WDM 40 Gbit/s Dispersion Managed Link Using a Polarization Insensitive Ti:PPLN Converter”*  
**OFC 2003**, Atlanta, Georgia, Presentazione Orale fatta da A. Schiffini, March 23-25 2003.

F. Matera, P. Franco, A. Schiffini, G. Contestabile, F. Curti, G. Tosi Beleffi et al.

*“Advanced Infrastructure for Photonic Networks - State of the Art and Prospects (IST ATLAS)”*,  
**ONDM 2003**, Budapest, Hungary, Presentazione Orale fatta da Francesco Matera, February 3-5 2003.

G. M. Tosi Beleffi, F. Curti and Francesco Matera

*“10 Gbit/s Wavelength Converter-Reshaper based on multiwavelength spectral components generation in optical fibre”*  
**ECOC 2002**, Copenhagen, Denmark, P3.9, Sessione Poster, Settembre 2002.

F. Curti, Franco Matera and G. M. Tosi Beleffi.

*“All Optical Wavelength Converter-Reshaper based on multi-wavelengths spectral components generation in optical fibre”*  
**ICTON 2002**, Warsaw, Poland, pp. 66-68, Presentazione Orale, Aprile 2002.

G. M. Tosi Beleffi, M. Presi, C. Palma, D. Boschi, E. DelRe, and A.J. Agranat

*“Stable oscillating nonlinear beams in square-wave-biased-photorefractives”*  
**CLEO/QELS 2001** Baltimore, Presentazione Orale fatta da E. DelRe, May 2001.

## CONFERENZE NAZIONALI

Forin, Incerti, Tosi Beleffi, Curti, Militello, Porcari, Busacca, Costa, Teixeira *“Monitoraggio dinamico in reti ottiche di nuova generazione”*

**FOTONICA 2009**, Pisa, Maggio 2009 Italia.

Valenti, Pompei, Matera, Tosi Beleffi, Del Buono, Rufini *“Sperimentazione del virtual private lan service per il controllo della qualità del servizio in reti passive ottiche (PON)”*,

**FOTONICA 2009**, Pisa, Maggio 2009 Italia.

Matera, Rea, Valenti, Tosi Beleffi, Curti, Forin, Incerti, Di Bartolo, Settembre *“Sperimentazione di una rete regionale GbE che utilizza la conversione tutta ottica della frequenza”*,

**FOTONICA 2009**, Pisa, Maggio 2009 Italia

F. Curti, G. M. Tosi Beleffi, D. Forin et al.

*“Rigeneratore 3R tutto ottico a rtemporizzazione su portante clock ausiliaria”*  
**FOTONICA 2005**, Castello Svevo Trani, Italia, Accettato per la presentazione, 30 Maggio-1 Giugno 2005.

F. Matteotti, V. Baroncini, F. Matera, F. Curti, G. M. Tosi Beleffi

*“Realizzazione di una rete sperimentale per la valutazione della qualità del servizio in reti ottiche integrate”*  
**FOTONICA 2005**, Castello Svevo Trani, Italia, Accettato per la presentazione, 30 Maggio-1 Giugno 2005.

F. Curti, G. M. Tosi Beleffi, D. Forin, Gabriella Cincotti et al.

*“Nuovo protocollo sperimentale per il beamforming ottico true time delay”*  
**FOTONICA 2005**, Castello Svevo Trani, Italia, Accettato per la presentazione, 30 Maggio-1 Giugno 2005.

F. Curti, G. M. Tosi Beleffi, D. Forin, A. Teixeira, M. De Marchis et al.

*“Amplificazione Raman in cascata basata su reticoli do bragg per applicazioni in banda U”*

**FOTONICA 2005**, Castello Svevo Trani, Italia, Accettato per la presentazione, 30 Maggio-1 Giugno 2005.

Davide Forin, F. Curti, G. M. Tosi Beleffi et Alt.  
“*All Optical 3R Regeneration and wavelength conversion*”  
**OPNETECH 2004**, Pisa, Italia, Poster Presentation.

Arianna Paoletti, Alessandro Schiffini, Francesco Matera, G. M. Tosi Beleffi et Alt  
“*Sperimentazione di Sistemi multicanale a 40 Gbit/s con conversione di frequenza: risultati IST ATLAS*”  
**FOTONICA 2003**, Riva del Garda, Italia, Invitato per presentazione Orale e fatta da Arianna Paoletti, 7-9 Aprile.

Giampiero Contestabile, Andrea Reale, G. M. Tosi Beleffi et Alt  
“*Recupero tutto-ottico del sincronismo di clock per un segnale RZ a 40 Gbit/s mediante anello in fibra con amplificatore a semiconduttore*”  
**FOTONICA 2003**, Riva del Garda, Italia, Presentazione Orale fatta da Andrea Reale, 7-9 Aprile.

F. Curti, G. M. Tosi Beleffi and Franco Matera  
“*Conversione di lunghezza d’onda in fibra DS basata su non linearità di tipo Kerr a 10 Gbit/s con formati di modulazione NRZ ed RZ*”  
**FOTONICA 2003**, Riva del Garda, Italia, Presentazione Orale, 7-9 Aprile.

G. M. Tosi Beleffi, F. Curti and Danilo Boschi  
“*Giunzioni a Y oscillanti basate su solitoni spaziali in cristalli fotorifrattivi*”  
**FOTONICA 2003**, Riva del Garda, Italia, Presentazione Orale, 7-9 Aprile.