PABLO TORRES FERRERA

Datos Generales

Nombre: PABLO TORRES FERRERA

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 3 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ingeniería
Desde 16-03-2017 hasta 15-08-2017
PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ingeniería
Desde 16-04-2017 hasta 15-08-2017

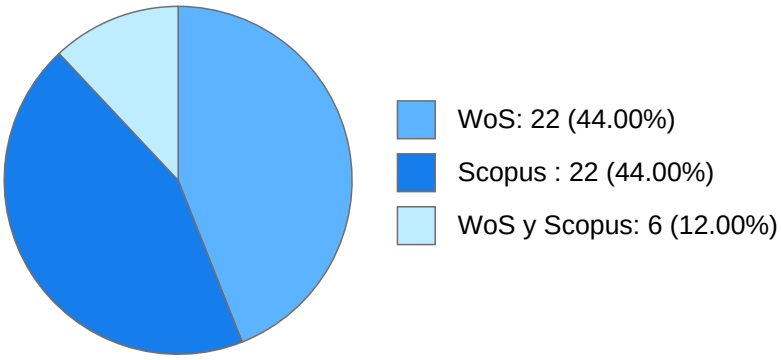
Estímulos, programas, premios y reconocimientos

SNI I 2023
SNI I 2020 - 2021

PABLO TORRES FERRERA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Experimental Demonstration of 100 Gbps/? C-Band Direct-Detection Downstream PON Using Non-Linear and CD Compensation with 29 dB+ OPL over 0 Km-100 Km	PABLO TORRES FERRERA Rizzelli G. Wang H. et al.	JOURNAL OF LIGHTWAVE TECHNOLOGY	2022
2	Statistical Analysis of 100 Gbps per Wavelength SWDM VCSEL-MMF Data Center Links on a Large Set of OM3 and OM4 Fibers	PABLO TORRES FERRERA Rizzelli G. Nespola A. et al.	JOURNAL OF LIGHTWAVE TECHNOLOGY	2022
3	200 Gbps/? PON Downstream C-Band Direct-Detection Links with =29 dB Power Budget	PABLO TORRES FERRERA Wang H. Rizzelli G. et al.	APPLIED SCIENCES-BASEL	2022
4	100 Gbps/? PON downstream O- And C-band alternatives using direct-detection and linear-impairment equalization	PABLO TORRES FERRERA Wang H. Ferrero V. et al.	J OPT COMMUN NETW	2021
5	Experimental study on 25 gbps c-band pon over up to 25 km smf using a 10g-class dml + apd im-dd system	PABLO TORRES FERRERA Wang H. Ferrero V. et al.	Photonics	2021

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6	100 Gbps/? C-Band CD Digital Pre-Compensated and Direct-Detection Links with Simple Non-Linear Compensation	PABLO TORRES FERRERA Wang H. Rizzelli G. et al.	IEEE PHOTONICS JOURNAL	2021
7	Performance analysis of a directly modulated semiconductor optical amplifiers using non-return-to-zero, duobinary and quaternary pulse amplitude modulation signalling	RAMON GUTIERREZ CASTREJON PABLO TORRES FERRERA DANIEL ENRIQUE CEBALLOS HERRERA et al.	IET OPTOELECTRONICS	2021
8	100+ Gbps/? 50 km C-Band Downstream PON Using CD Digital Pre-Compensation and Direct-Detection ONU Receiver	PABLO TORRES FERRERA Rizzelli G. Ferrero V. et al.	JOURNAL OF LIGHTWAVE TECHNOLOGY	2020
9	Direct-detection 25 Gb/s PON: PROs and CONs of digital signal processing at the transmitter side	PABLO TORRES FERRERA Tipan M. Gaudino R. et al.	International Conference on Transparent Optical Networks-ICTON	2020
10	Analysis of 5G new radio uplink signals on an analogue-RoF system based on DSP-assisted channel aggregation	PABLO TORRES FERRERA Mengesha B.D. Gaudino R.	APPLIED SCIENCES-BASEL	2018
11	Impact of the overall electrical filter shaping in next-generation 25 and 50 Gb/s PONs	PABLO TORRES FERRERA Ferrero V. Valvo M. et al.	J OPT COMMUN NETW	2018
12	Comparison of DSP-based TDMA and FDMA channel aggregation techniques in mobile fronthauling	PABLO TORRES FERRERA Mengesha B. Straullu S. et al.	OPTICAL FIBER TECHNOLOGY	2018
13	DSP-Assisted Channel Aggregation Options for Next-Generation Mobile Fronthauling	PABLO TORRES FERRERA Befekadu M. Gaudino R.	International Conference on Transparent Optical Networks-ICTON	2018
14	Towards 50 Gb/s in High-Speed PON: Optimization of Modulation Formats Using Pre-Chirping	PABLO TORRES FERRERA Wang H. Ferrero V. et al.	International Conference on Transparent Optical Networks-ICTON	2018
15	Coherent optical WDM systems for 1.6 Tb/s Ethernet over 40 km of single-mode fiber	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON García-Yáñez M.A. et al.	OPTICAL FIBER TECHNOLOGY	2018

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16	Upstream and downstream analysis of an optical fronthaul system based on DSP-assisted channel aggregation	PABLO TORRES FERRERA Straullu S. Abrate S. et al.	J OPT COMMUN NETW	2017
17	Multi-format 800 - 1600 Gb/s coherent transceiver for inter-data centre interconnects over SMF	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON Tomkos, I.	International Conference on Transparent Optical Networks-ICTON	2017
18	Alternative solutions for fronthauling based on DSP-assisted Radio-over-Fiber	PABLO TORRES FERRERA Straullu, S. Abrate, S. et al.	International Conference on Transparent Optical Networks-ICTON	2017
19	An alternative for the implementation of 40-km reach Ethernet at 400 Gb/s using an 8×50 Gb/s PHY at 1310 nm with SOA pre-amplification	RAMON GUTIERREZ CASTREJON PABLO TORRES FERRERA DANIEL ENRIQUE CEBALLOS HERRERA et al.	OPTICAL SWITCHING AND NETWORKING	2016
20	4×100 Gb/s WDM DD-OFDM using EAM for next generation Ethernet transceivers over SMF	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON Vazquez, S. O.	OPTICS COMMUNICATIONS	2016
21	Next-generation 400 Gb/s Ethernet PMD over SMF at 1310 nm via DD-OFDM with electro-absorption modulator-based transmitters	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON L. Pacheco-Ramirez	Ieee Latin American Conference On Communications	2015
22	FILTERING EFFECTS OF CASCADED FLEX-GRID ROADMS WITH HIGH SPECTRAL RESOLUTION FILTERS ON THE TRANSMISSION OF NYQUIST AND QUASI-NYQUIST WDM SUPER-CHANNELS	PABLO TORRES FERRERA Jose Manuel Rivas-Moscoso Dimitrios Klonidis et al.	International Conference On Optical Communications And Networks	2014
23	Impact of channel-spacing on next 400 Gb/s Ethernet 40-km PMD based on 16 × 25 Gb / s WDM architecture	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON	OPTICAL FIBER TECHNOLOGY	2014
24	Design and Technical Feasibility of Next 400 GbE 40-km PMD Based on 16 x 25 Gbps Architecture	RAMON GUTIERREZ CASTREJON PABLO TORRES FERRERA	JOURNAL OF LIGHTWAVE TECHNOLOGY	2013

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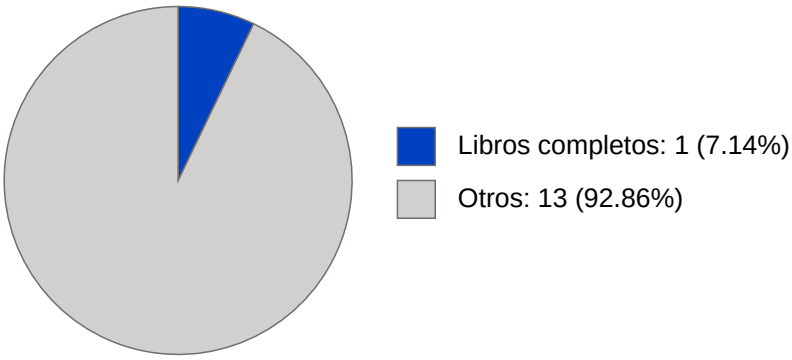
LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Opportunities and Challenges When using Low Bandwidth Optics for Higher Capacity PON Systems	PABLO TORRES FERRERA Gaudino R. Wang H. et al.	Conference Paper	2020	9781943580712
2	100 Gbps PON L-Band Downstream Transmission using IQ-MZM CD Digital Pre-Compensation and DD ONU Receiver	PABLO TORRES FERRERA Ferrero V. Gaudino R.	Conference Paper	2020	9781943580712
3	Current Trends towards PON systems at 50+ Gbps	PABLO TORRES FERRERA Wang H. Ferrero V. et al.	Conference Paper	2020	9781728162393
4	Burst-Mode Equalization Strategies in 25 Gbps US-PON using Duobinary and 10G-Class APD for 20-km in C-Band	PABLO TORRES FERRERA Milite V. Ferrero V. et al.	Conference Paper	2019	9781943580538
5	Field demonstration of 25G-PON and XGS-PON burst-mode upstream coexistence	PABLO TORRES FERRERA Wang H. Ferrero V. et al.	Conference Paper	2019	9781839530074
6	Experimental Demonstration of DSP-Assisted Electrical Duobinary Optimization for High Speed PON 25+ Gbps Using 10 Gbps APD Receiver	PABLO TORRES FERRERA Ferrero V. Mercinelli R. et al.	Conference Paper	2018	9781538648629
7	Feasibility of next-generation 25 Gbps PON using non-return to zero modulation	PABLO TORRES FERRERA Ferrero V. Mercinelli R. et al.	Conference Paper	2018	9781785618161

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8	Next-generation 400 Gb/s Ethernet PMD over SMF at 1310 nm via DD-OFDM with electro-absorption modulator-based transmitters	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON Pacheco-Ramírez L.	Conference Paper	2016	9781467384513
9	4 × 100 Gbps DD-OFDM using MZ modulators for ethernet	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON	Conference Paper	2016	9781943580163
10	Interfaz óptica multicanal para la tecnología Ethernet a 100 Gb/s	RAMON GUTIERREZ CASTREJON PABLO TORRES FERRERA	Libro Completo	2014	9786070262753
11	Nonlinear Response of the Semiconductor Pre-amplifier in Next Generation 400 Gb/s Ethernet 40-km Transceivers	RAMON GUTIERREZ CASTREJON PABLO TORRES FERRERA	Proceedings Paper	2014	9781479925810
12	Filtering effects of cascaded flex-grid roadms with high spectral resolution filters on the transmission of Nyquist and quasi-Nyquist WDM super-channels	PABLO TORRES FERRERA Rivas-Moscoso J.M. Klonidis D. et al.	Conference Paper	2014	9781479972180
13	Comparison of 10 x 40 Gbps and 8 x 50 Gbps WDM system for next-generation Ethernet operating at 400 Gbps	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON Fernández-Segura O.	Conference Paper	2014	9781557528254
14	Unamplified 10-km transmission using direct-detection optical OFDM superchannel at 100 Gbps	PABLO TORRES FERRERA RAMON GUTIERREZ CASTREJON Vázquez S.O. et al.	Conference Paper	2014	9781557528254

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PARTICIPACIÓN EN PROYECTOS

No se encuentran registros en la base de datos de SISEPRO asociados a:

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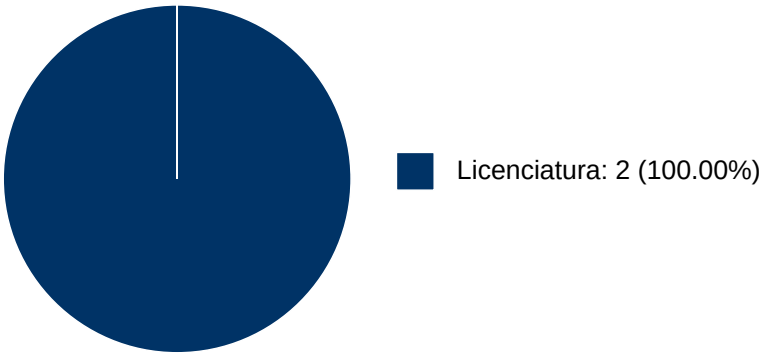
PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Optimización de un sistema DD-OFDM óptico para redes locales de alta velocidad en banda O	Tesis de Licenciatura	PABLO TORRES FERRERA,	Pacheco Ramírez, Luis Arturo,	Facultad de Ingeniería,	2016
2	Comparación de arquitecturas wdm para implementar el transceptor óptico de ehternet a 400 gb/s	Tesis de Licenciatura	PABLO TORRES FERRERA,	Fernández Segura, Osvaldo,	Facultad de Ingeniería,	2015

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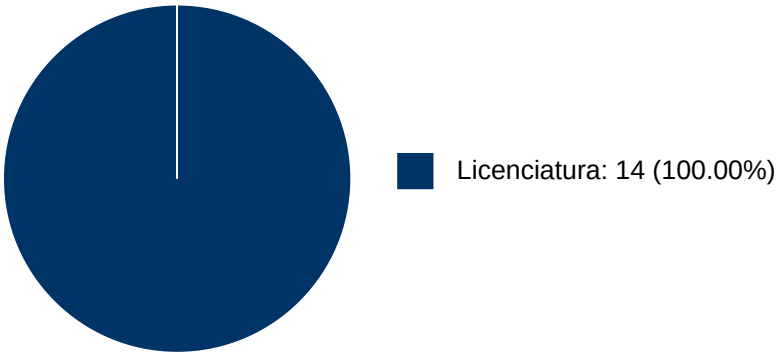
DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	CALCULO INTEGRAL	Facultad de Ingeniería	38	2017-2
2	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	31	2017-2
3	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	30	2016-2
4	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	49	2016-2
5	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	46	2016-2
6	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	48	2016-1
7	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	30	2016-1
8	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	25	2015-2
9	Licenciatura	CALCULO INTEGRAL	Facultad de Ingeniería	35	2015-2
10	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	49	2015-1
11	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	40	2015-1
12	Licenciatura	SISTEMAS DE COMUNICACIONES	Facultad de Ingeniería	26	2014-2
13	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	44	2014-2
14	Licenciatura	CALCULO VECTORIAL	Facultad de Ingeniería	49	2014-1

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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024