

Awards

Name of Award	Organizers	Date of Award
2013-14 Award for Outstanding Teaching	Promoting Teaching Excellence Program Office	2014.10

Research Achievements:Conference Paper

Article Title	Journal Name	Author	Category	Publication Date
Wide passband optical interleaver based on double-ring-assisted Mach-Zehnder interferometer	Microwave and Optical Technology Letters	Shih-Jung Chang	SCI EI	2010.04
A Compact and Low Power Consumption Optical Switch Based on Micro-Rings	Photonics Technology Letters, IEEE	Shih-Jung Chang, Chi-Yu Ni, Zhipeng Wang, and Yung Jui Chen	SCI EI	2008.06
A High-Performance Ultracompact Optical Interleaver Based on Double-Ring Assisted Mach-Zehnder Interferometer	Photonics Technology Letters, IEEE	Zhipeng Wang, Shih-Jung Chang, Chi-Yu Ni, and Yung Jui Chen	SCI EI	2007.07
Add/drop applications in fiber ring networks based on a reconfigurable optical add/drop multiplexer in a re-circulating loop	Optics Communications	M.F. Huang, J. Chen, K.M. Feng, T.Y. Lin, C.Y. Lai, C.C. Wei, S. Chi, Z. Zhu, Y.J. Chen, Y.C. Huang, and Shih-Jung Chang	SCI EI	2006.11
Lowering the threshold pump power of Ti,Er:LiNbO ₃ laser with ridge structure	Photonics Technology Letters, IEEE	Ju-Feng Liu; Yao-Hua Wang; Shih-Jung Chang; Way-Seen Wang	SCI EI	2000.09
Improved Electro-Optic Modulator with Ridge Structure in X-cut LiNbO ₃	Journal of Lightwave Technology	Shih-Jung Chang; Ching-Long Tsai; Yih-Bin Lin; Ju-Feng Liu; and Way-Seen Wang	SCI EI	1999.05
A novel self-aligned fabrication process for nickel-indiffused lithium niobate ridge optical waveguides	Journal of Lightwave Technology	Wen-Ching Chang; Chao-Yung Sue; Hung-Ching Hou; Shih-Jung Chang; Pei-Kuen Wei	SCI EI	1999.04
Measurement of Coupling Coefficients of Ni:LiNbO ₃ Directional Coupler	Microwave and Optical Technology Letters	Wen-Ching Chang, Shih-Jung Chang, Hung-Ching Hou, and Chao-Yung Sue	SCI EI	1998.09
Characteristics of Proton Exchanged Wet Etching on Z-cut Nickel-Indiffused Lithium Niobate	Microwave and Optical Technology Letters	Wen-Ching Chang, Shih-Jung Chang, Chao-Yung Sue and Chia-Lu Hsu	SCI EI	1998.07

Research Achievements:Journal Article

Article Title	Journal Name	Author	Category	Publication Date
Bending and Polarization for Silicon-on-Insulator Waveguide with Large Cross Section	2011 銘傳大學國際學術研討會	Shih-Jung Chang, Kuo-Wei Liu		2011.03
Design of 3dB coupler based on Si Waveguide	2010 銘傳大學國際學術研討會	Shih-Jung Chang, Chih Ming Lai		2010.03
A Novel Approach to Reduce Waveguide Intersection Loss of HIC Materials	OFC2007	Zhonghua Zhu, Zhipeng Wang, Shih-Jung Chang, Y.J.(Ray) Chen	EI	2007.03
Ultra-Compact Low Loss Array Waveguide Grating	CLEO2006	Z.Zhu,Z.Wang,Y.J Chen,W.Chen,W.Chen,R. Davidson,O.King, D.Gill,F.Johnson, J.Hryniewicz,B.Little, S.Chu,Shih-Jung Chang,Y.Chu	EI	2006.05
Cascaded Reconfigurable Optical Add/Drop Multiplexer (ROADM) in Metro Add/Drop Network Applications	CLEO 2006	M.F. Huang, J. Chen, K.M. Feng, T.Y. Lin, C.Y. Lai, C.C. Wei, S. Chi, Z. Zhu, Y.J. Chen, Y.C. Huang, and Shih-Jung Chang	EI	2006.05
A novel method for Ca ²⁺ sensing by waveguide structure	CLEO/Pacific Rim 2003	Shih-Jung Chang, Ding-wei Huang, Ying-Tso Lin, Tsung-hsuan Chiu	EI	2003.12

Design and analysis of athermal silica-based PLC devices using bimetal plate temperature compensator	CLEO/Pacific Rim 2003	Ding-wei Huang, Shu-mei Yang, Shih-Jung Chang, Tsung-hsuan Chiu	EI	2003.12
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Research Achievements:Patent

Patent Title	Country	Patent Type/No	Date Patent Received
Wide Passband Optical Interleaver	USA		2009.02.
光功率穩定分光元件	Taiwan		2009.02.
Optical Coupler with stabilized coupling ratio	USA		2008.01.
光功率穩定分光元件	中國大陸		2008.01.
動態光功率等化器	Taiwan		2006.06.
Dynamic Power Equalizer	USA		2006.02.

Research Achievements:Research Project

Project Title	Funding Source	Year/Months Implemented	Publication Date
雙環形共振腔輔助寬通帶頻道交錯器	國科會	12/12	2009.08
行動通訊與光纖網路模組課程	科學工業園區管理局	13/13	2009.07