

1. Record Nr.	UNINA9910465461103321
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Titolo	Integrating mission and strategy for nonprofit organizations [[electronic resource] /] / James A. Phills, Jr
Pubbl/distr/stampa	New York, : Oxford University Press, 2005
ISBN	0-19-803825-9 1-280-42785-X 1-60256-482-5 1-4237-3401-7
Descrizione fisica	1 online resource (273 p.)
Disciplina	658.4/012
Soggetti	Nonprofit organizations - Management Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 217-240) and index.
Nota di contenuto	Contents; Introduction: The Role of Mission and Strategy in Enhancing the Performance of Nonprofit Organizations; 1 Mission: The Psychological and Emotional Logic; 2 Strategy: The Economic Logic; 3 Industry Analysis; 4 Execution: Translating Mission and Strategy into Action; 5 Corporate Strategy, Alliances, and Collective Action; 6 The Role of Leadership in Mission, Strategy, and Execution; 7 Strategic Change: Intelligent Adaptation; 8 Avoiding the Pitfalls of Mission, Strategy, and Execution in the Real World; Notes; Index; A; B; C; D; E; F; G; H; I; J; K; L; M; N; O; P; Q; R; S; T; U; V; W Y
Sommario/riassunto	Introduction: The Role of Mission and Strategy in Enhancing the Performance of Nonprofit Organizations1. Mission: The Psychological and Emotional Logic2. Strategy: The Economic Logic3. Industry Analysis4. Execution: Translating Mission and Strategy into Action5. Corporate Strategy, Alliances, and Collective Action6. The Role of Leadership in Mission, Strategy, and Execution7. Strategic Change: Intelligent Adaptation8. Avoiding the Pitfalls of Mission, Strategy, and Execution in the Real WorldNotesIndex

2. Record Nr.	UNINA9910765507803321
Titolo	Applications of Semiconductor Optical Amplifiers // edited by Kyriakos E. Zoiros
Pubbl/distr/stampa	Basel : , : MDPI, , 2018 ©2018
ISBN	3-03897-171-5
Descrizione fisica	1 online resource (xi, 156 pages) : illustrations
Disciplina	621.3694
Soggetti	Optical amplifiers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	About the Special Issue Editor vii -- Preface to "Applications of Semiconductor Optical Amplifiers" ix -- Christos Vagionas, Pavlos Maniotis, Stelios Pitris, Amalia Miliou and Nikos Pleros Integrated Optical Content Addressable Memories (CAM) and Optical Random Access Memories (RAM) for Ultra-Fast Address Look-Up Operations Reprinted from: Appl. Sci. 2017, 7, 700, doi: 10.3390/app7070700 . 1 -- Zoe V. Rizou, Kyriakos E. Zoiros and Antonios Hatziefremidis Comparison of Basic Notch Filters for Semiconductor Optical Amplifier Pattern Effect Mitigation Reprinted from: Appl. Sci. 2017, 7, 783, doi: 10.3390/app7080783 . 19 -- Se ´an P. OD´ ´uill, Pascal Landais and Liam P. Barry Estimation of the Performance Improvement of Pre-Amplified PAM4 Systems When Using Multi-Section Semiconductor Optical Amplifiers Reprinted from: Appl. Sci. 2017, 7, 908, doi: 10.3390/app7090908 . 41 -- Simon Arega Gebrewold, Romain Bonjour, Romain Brenot, David Hillerkuss and Juerg Leuthold Bit- and Power-Loading-A Comparative Study on Maximizing the Capacity of RSOA Based Colorless DMT Transmitters Reprinted from: Appl. Sci. 2017, 7, 999, doi: 10.3390/app7100999 . 54 -- Zoe V. Rizou and Kyriakos E. Zoiros Theoretical Analysis of Directly Modulated Reflective Semiconductor Optical Amplifier Performance Enhancement by Microring Resonator-Based Notch Filtering Reprinted from: Appl. Sci. 2018, 8, 223, doi: 10.3390/app8020223 . 71 -- Nicola Calabretta, Wang Miao, Ketemaw Mekonnen and Kristif Prifti SOA Based Photonic

Integrated WDM Cross-Connects for Optical Metro-Access Networks Reprinted from: Appl. Sci. 2017, 7, 865, doi: 10.3390/app7090865 . 88 -- Ripalta Stabile Towards Large-Scale Fast Reprogrammable SOA-Based Photonic Integrated Switch Circuits Reprinted from: Appl. Sci. 2017, 7, 920, doi: 10.3390/app7090920 . 101 -- Yi Lin, Aravind P. Anthur, Sean P. O' Duill, ' Fan Liu, Yonglin Yu and Liam P. Barry Fast Reconfigurable SOA-Based Wavelength Conversion of Advanced Modulation Format Data Reprinted from: Appl. Sci. 2017, 7, 1033, doi: 10.3390/app7101033 . . 116 -- Md Shakil Ahmed and Ivan Glesk Application of Semiconductor Optical Amplifier (SOA) in Managing Chirp of Optical Code Division Multiple Access (OCDMA) Code Carriers in Temperature Affected Fibre Link Reprinted from: Appl. Sci. 2018, 8, 715, doi: 10.3390/app8050715 . 131.

Sommario/riassunto

Semiconductor optical amplifiers (SOAs) are considered a key enabling technology for the design and implementation of photonic circuits, subsystems, and networks. Owing to the attractive features of low power consumption, compactness, broad gain bandwidth and ability for integration with affordable cost, SOAs enjoy continuous popularity as core versatile devices within the optical communications research and industrial sector for the accomplishment of critical and indispensable tasks at fundamental and system-oriented level. Given the establishment and widespread employment of SOAs as technological platform, a Special Issue on 'Applications of Semiconductor Optical Amplifiers' was introduced and prepared to address, present, and investigate modern applications of SOAs, as well as explore and highlight trends, challenges, and perspectives for motivating efforts toward continuous exploitation of these active modules in a feasible, innovative, and global manner. This book collates the Special Issue papers reporting on significant results obtained from the cutting-edge research conducted by experts in the field. Readers will benefit by acquiring useful knowledge and opening their scientific horizons on SOA-enabled applications, such as direct signal amplification, external modulation, all-optical signal processing, all-optical memories, photonic integrated circuits, photonic switching, optical code division multiple access systems, passive optical networks, et cetera.
