

## **Executive Forum 2008**

# **Positioning for the Future: What's Ahead for the Optical Communications Industry**

**San Diego Convention Center  
San Diego, California, USA  
February 24-25, 2008**

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The 2008 Executive Forum, held in conjunction with OFC/NFOEC, provides industry executives with networking opportunities, and insights and analysis from the field's leading business and financial experts on tomorrow's trends and opportunities.

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## ACKNOWLEDGMENTS

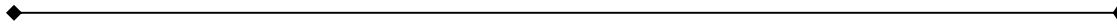
*The Optical Society of America and LIGHTWAVE gratefully acknowledge the support given by our Corporate Sponsors.*

### **Finisar Corporation**

Finisar Corporation (NASDAQ: FNSR) is a global technology leader for fiber optic components and subsystems and network test and monitoring systems. These products enable high-speed voice, video and data communications for networking, storage and wireless applications over Local Area Networks (LANs), Storage Area Networks (SANs), and Metropolitan Area Networks (MANs) using Ethernet, Fibre Channel, IP, SAS, SATA and SONET/SDH protocols. The company is headquartered in Sunnyvale, California, USA. More information can be found at [www.finisar.com](http://www.finisar.com).

### **Intel Capital**

Intel Capital, Intel's global investment organization, makes equity investments in innovative technology start-ups and companies worldwide. Intel Capital invests in a broad range of companies offering hardware, software, and services targeting enterprise, home, mobility, health, consumer Internet, semiconductor manufacturing, and cleantech. Since 1991, Intel Capital has invested more than US\$7.5 billion in approximately 1,000 companies in 45 countries. In that timeframe, 168 portfolio companies have gone public on various exchanges around the world and 212 were acquired or participated in a merger. In 2007, Intel Capital invested about US\$639 million in 166 deals with approximately 37 percent of funds invested outside the United States. For more information on Intel Capital and its differentiated advantages, visit [www.intelcapital.com](http://www.intelcapital.com).



### **2008 Executive Forum Planning Committee**

**Thank you to the dedicated committee for your time and efforts in developing an outstanding program.**

- ❖ William Diamond, President, *COMET North America, Inc.*
- ❖ Daniel Docter, Director, *Intel Capital Optical Investments*
- ❖ David Hardwick, *Independent Consultant*
- ❖ Stephen Hardy, Editorial Director/Associate Publisher, *LIGHTWAVE Magazine*
- ❖ Michael Leby, Executive Director, *OIDA*
- ❖ Gurinder Parhar, Vice President Business Development, *Santur Corporation*
- ❖ Ken Yasunaga, Managing Director, *Entrepia Japan*

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*The 2008 Executive Forum is produced by OSA and PennWell.*

**Optical Society of America**

Uniting more than 70,000 professionals from 134 countries, the Optical Society of America (OSA) brings together the global optics community through its programs and initiatives. Since 1916 OSA has worked to advance the common interests of the field, providing educational resources to the scientists, engineers and business leaders who work in the field by promoting the science of light and the advanced technologies made possible by optics and photonics. OSA publications, events, technical groups and programs foster optics knowledge and scientific collaboration among all those with an interest in optics and photonics. For more information, visit [www.osa.org](http://www.osa.org).

**PennWell Corporation**

PennWell Corporation is a highly diversified, business-to-business media company providing authoritative print and online publications, conferences and exhibitions, research, databases, online exchanges and information products to strategic global markets. Since 1910 PennWell has been known for providing comprehensive coverage of several strategic markets. In those early days, PennWell was a pioneer in the emerging oil industry with *Oil & Gas Journal* magazine, founded in 1902. Today PennWell publishes 45 business-to-business magazines and newsletters, conducts over 60 conferences and exhibitions on six continents, and has an extensive offering of books, maps, directories and database services. PennWell's products serve as a lens for the world, focusing diffuse information into practical business intelligence. We aim to be where decision-makers worldwide look first to see what happens next in their markets. This has been our mission since PennWell's founding in 1910. The ownership of our privately-held company has remained constant during the ensuing decades, as has our commitment to integrity, excellence and innovation in all we do.

## AGENDA AT-A-GLANCE

### Sunday, February 24, 2008

- |                          |                      |
|--------------------------|----------------------|
| <i>3:00 pm – 5:30 pm</i> | Registration         |
| <i>5:30 pm – 7:30 pm</i> | Networking Reception |

### Monday, February 25, 2008

- |                            |   |
|----------------------------|---|
| <i>7:00 am – 12:00 pm</i>  | Registration  |
| <i>7:30 am – 8:30 am</i>   | Breakfast   |
| <i>8:30 am – 8:45 am</i>   | Welcome   |
| <i>8:45 am – 9:30 am</i>   | Opening Keynote Presentation                                    |
| <i>9:30 am – 10:30 am</i>  | Positioning for the Future – 4 Hot Topics                       |
| <i>10:30 am – 11:00 am</i> | Coffee Break – Sponsored by Finisar Corporation                 |
| <i>11:00 am – 12:30 pm</i> | Positioning for the Future – Systems Companies Perspectives     |
| <i>12:30 pm – 1:30 pm</i>  | Networking Lunch  |
| <i>1:30 pm – 3:00 pm</i>   | View from the Top – Telecom Component/Subsystem Trends          |
| <i>3:00 pm – 3:30 pm</i>   | Coffee Break – Sponsored by Finisar Corporation                 |
| <i>3:30 pm – 5:00 pm</i>   | View from the Top – Datacom Component/Subsystem Market Insights |
| <i>5:00 pm – 5:30 pm</i>   | Closing Keynote Presentation                                    |
| <i>5:30 pm – 7:30 pm</i>   | Networking Reception – Sponsored by Intel Capital               |

## KEYNOTE PRESENTATIONS

### Opening Keynote Presentation Nonlinear Optics – The Roller Coaster Nature of Investor Sentiment on Optical Networking

*Monday, February 25, 2008; 8:45 am – 9:30 am*

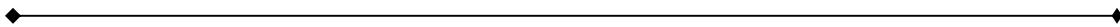
**Keynote Presenter:**

Robert Flanagan, Managing Director, Technology Investment Banking, *Oppenheimer and Company*

Mr. Flanagan currently manages the global semiconductor and photonic technology investment banking practice for Oppenheimer and Company. During the past 15 years as an investment banker, Mr. Flanagan has worked with a number of optical networking companies in a variety of capital raising and merger advisory assignments. Recent projects include the IPOs of Opnext and Optium, and past clients include Bookham, Inc., Finisar Corporation, and JDS Uniphase Corporation. Mr. Flanagan holds an MBA from the Stanford Graduate School of Business, and a BA in economics from UCLA.

**Company Description:**

Oppenheimer, through its principal subsidiaries, Oppenheimer & Co. Inc. (a U.S. broker dealer) and Oppenheimer Asset Management Inc., offers a wide range of investment banking, securities, investment management and wealth management services in the United States and selected other countries. With over 3,500 employees around the world, Oppenheimer provides industry expertise, focused market intelligence, and creative financial solutions to meet the unique business challenges of its clients.



### Closing Keynote Presentation

Introductory remarks by Fred Leonberger, Principal, *EOvation Technologies LLC*

*Monday, February 25, 2008; 5:00 pm – 5:30 pm*

**Keynote Presenter:**

George Gilder, Moderator, *Gilder Telecosm Forum*; Chairman, *Gilder Cremers Fund LP*  
George Gilder pioneered the formulation of supply-side economics when he served as Chairman of the Lehrman Institute's Economic Roundtable, as Program Director for the Manhattan Institute, and as a frequent contributor to A.B. Laffer's economic reports and the editorial page of *The Wall Street Journal*. In the 1980s he consulted

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leaders of America's high technology businesses. In 1986, President Reagan gave George Gilder the White House Award for Entrepreneurial Excellence.

Mr. Gilder hosts the web's premier technology investment discussion forum, the *Gilder Telecosm Forum*, and co-hosts, with Steve Forbes, the annual Gilder/Forbes Telecosm Conference, both of which offer the elite analysis of ascending and disruptive technologies affecting management and investment decisions of investors, executives, engineers and entrepreneurs.

Mr. Gilder authored several books, including: *The Spirit of Enterprise*, *Microcosm*, *Life After Television*, *Telecosm*, and his best-selling *Wealth and Poverty*. In his latest book *The Silicon Eye* (2005), he shares the insider knowledge of Silicon Valley and illustrates how the unpredictable mix of genius, drive, and luck that can turn a startup into a Fortune 500 company. Mr. Gilder also is a contributing editor of *Forbes* magazine and a frequent writer for *The Economist*, *The American Spectator*, the *Harvard Business Review*, *The Wall Street Journal*, and other publications.

### **Company Description**

In June 2007, Gilder Publishing ceased the publication of the monthly *Gilder Technology Report* in favor of the cutting-edge format of the Gilder Telecosm Forum, the web's premier technology investment discussion forum. The Gilder Telecosm Forum is a powerful network of talented, tech-savvy investors and thinkers that collaborate online daily, utilizing the very technologies that George Gilder celebrated for 11 years in the *Gilder Technology Report* (published by Gilder Publishing, LLC in association with Forbes Inc., 1996-2007). George Gilder and Gilder Telecosm Forum analysts Nick Tredennick and Charlie Burger are frequent participants. Gilder Publishing also produces the *Gilder Friday Letter*, an electronic newsletter that follows technology news from the Telecosmic high frontier to the nanodepths of the Microcosm. It is mailed weekly to over 100,000 subscribers. For over a decade, the Gilder/Forbes Telecosm Conference, hosted by George Gilder and Steve Forbes, has been recognized as one of the most prestigious venues in the world for breaking information on breakthrough technologies and forward-thinking companies and investments strategies. The annual three-day event offers attendees the rare opportunity to network with the world's leading engineers, entrepreneurs, investors, scientists and public policy decision makers to examine the technologies with the potential to disrupt their lives, business practices, management decisions, and investment portfolios. For more information visit [www.gildertech.com](http://www.gildertech.com) and [www.telecosmconference.com](http://www.telecosmconference.com).

## PANEL DISCUSSIONS

### Positioning for the Future – 4 Hot Topics

*Monday, February 25, 2008; 9:30 am – 10:30 am*

**Moderator:** Stephen Hardy, Editorial Director/Associate Publisher, *LIGHTWAVE Magazine*

**Speakers:**

- Shri Dodani, President and CEO, *StrataLight Communications*
- Karen Liu, Vice President, Components, *Ovum RHK*
- Bardia Pezeshki, CTO and Founder, *Santur Corporation*
- David Welch, Chief Marketing and Strategy Officer, *Infinera*
- Greg Young, President and CEO, *Luxtera*

**Panel Description:**

The first panel sets the stage for the day with a look at four topics that could shape future market and technology directions. See if your company has a role to play in any of these emerging areas: high-speed transmission technology, silicon photonics and water-level integration, parallel optics, and the consumer electronics market.

## Positioning for the Future – Systems Companies Perspective

*Monday, February 25, 2008; 11:00 am – 12:30 pm*

**Moderators:** Gurinder Parhar, Vice President Business Development, *Santur Corporation*; Michael Lebbby, Executive Director, *OIDA*

**Speakers:**

- Michael Adams, Vice President, Strategy & Architecture for Metro Ethernet Networks, *Nortel*
- Joseph Berthold, Vice President, Network Architecture, *Ciena Corporation*
- Adam Carter, Marketing Manager, Transceiver Module Group, *Cisco*
- Tom McDermott, Distinguished Strategic Planner, *Fujitsu Network Communications*
- Hans-Juergen Schmidtke, Head of IP Transport, North America, *Nokia Siemens Networks*
- Raj Shanmugaraj, Vice President, Optical Networks Division, *Alcatel-Lucent*

**Panel Description:**

Executives from major systems houses will describe how their customers' requirements are changing—and how they plan to change themselves. The discussion will include a look at what new technologies and capabilities they plan to incorporate into their products.



## View from the Top – Telecom Component/Subsystem Trends

*Monday, February 25, 2008; 1:30 pm – 3:00 pm*

**Moderator:** William Diamond, President, *COMET North America, Inc.*

**Speakers:**

- Alain Couder, President and Chief Executive Officer, *Bookham, Inc.*
- Joseph Liu, President and CEO, *Oplink Communications, Inc.*
- Jo Major, Chairman of the Board, President, and CEO, *Avanex*
- Ikuo Mito, General Manager, Fiber Optics Device Division, *NEC Corporation*
- Anthony (Tony) Musto, President of Sales and Marketing, *Optium Corporation*
- Mike Nishiguchi, President and CEO, *ExceLight Communications, Inc.*

**Panel Description:**

The first of two panels of component/subsystem senior company executives will focus on the telecom technologies, business trends, and market factors that will shape the space this year. In particular, the panelists will discuss the challenges of developing and selling products that meet carrier demands for high-speeds, reconfigurability, and opex reduction while aiding the transition toward packet-based networks. They will also discuss the challenges – and solutions – for funding technology innovation in today's economic environment as well as prospects for consolidation and growth.

## View from the Top – Datacom Component/Subsystem Market Insights

*Monday, February 25, 2008; 3:30 pm – 5:00 pm*

**Moderator:** Daniel Docter, Director, *Intel Capital Optical Investments*

**Speakers:**

- Harry L. Bosco, President and CEO, *Opnext*
- Fariba Danesh, Senior Vice President and General Manager, *Avago Technologies*
- Jerry S. Rawls, Chairman of the Board, President and CEO, *Finisar Corporation*
- Reuben F. Richards, President and CEO, *EMCORE Corporation*
- Dhruvad Trivedi, Vice President and General Manager, Transmission Business Unit, *JDSU*

**Panel Description:**

Many see datacom as the hot market in optical communications. The second panel of senior component/subsystem company executives will highlight whether this assessment is accurate and, if so, how they plan to take advantage. You will hear business strategies for revenue growth, market share expansion, and the prospects (and criteria) for mergers and acquisitions.

## SPEAKER AND COMPANY PROFILES

■ **Michael Adams**, Vice President, Strategy & Architecture for Metro Ethernet Networks, **Nortel**

Michael H. Adams is Nortel's Metro Ethernet Networks Strategy and Architecture Vice President. The Metro Ethernet business includes the Optical Networks and Carrier Ethernet businesses. In this role, Mr. Adams is responsible for leading the Metro Ethernet strategic vision and long term architecture planning. He works closely with the CSO and CTO offices on emerging technologies, market opportunities and strategic partnerships. In his 15 years at Nortel, Mr. Adams has held a number of leadership roles globally across new technology introduction, packet optical innovation, OEM and acquisition identification and selection, and product management including running the highly successful Optical Metro 3000 portfolio. Mr. Adams holds a Bachelor of Applied Science in Systems Design Engineering from the University of Waterloo. He is based at Nortel's R&D headquarters in Ottawa, Canada.

### Company Description

Nortel is a recognized leader in delivering communications capabilities that make the promise of Business Made Simple a reality for our customers. The company's next-generation technologies, for both service provider and enterprise networks, support multimedia and business-critical applications. Nortel's technologies are designed to help eliminate today's barriers to efficiency, speed and performance by simplifying networks and connecting people to the information they need, when they need it. Nortel does business in more than 150 countries around the world.



■ **Joseph Berthold**, Vice President, Network Architecture, **Ciena Corporation**

Joseph Berthold is currently Vice President, Network Architecture at CIENA Corporation, where he has worked since early 1997. He contributes to the understanding of future network architecture directions, network service concepts, the definition of CIENA's networking products, and is responsible for the coordination of CIENA's work in industry standards. Mr. Berthold served as the Technical Committee Chair of the Optical Internetworking Forum (OIF) from its formation in 1998 until 2001, and as a member of its Board of Directors and President from 2002 to 2007. He also serves on the Board of Directors of ATIS, the Alliance for the Telecommunications Industry Solutions. He has been a long-term contributor to the Optical Fiber Communications Conference, OFC, was the Technical Program Co-Chair for OFC 2001 and the General Co-Chair for OFC 2003. From 1984 until 1997, Mr. Berthold worked in the Applied Research Area of Bellcore, where he was responsible for the management of research programs related to broadband network systems, and was the program manager and chairman of the Technical Management Committee for the Multiwavelength Optical Networking Consortium (MONET). He managed previous Bellcore research programs in high-capacity protocol processing, high-speed electronic switching and high-speed multiplexing. Before his tenure at Bellcore, Mr. Berthold spent six years with Bell Labs in Murray Hill, NJ, where he was responsible for a semiconductor device technology development group.

## **Company Description**

Ciena Corporation is a global leader in communication network platforms, software and professional services. Integrating expertise in access, optical and data networking, Ciena enables the delivery of more services faster, transforms the network cost base, and improves the end-user experience. From its Linthicum, Maryland, USA headquarters and across the Americas, Asia and Europe, Ciena's team of more than 1,400 professionals is dedicated to providing customers with application-centric solutions for converged, automated networking, as well as consultative and support services that consistently exceed the expectations of even the most demanding customers worldwide. Additionally, Ciena's experienced executive team provides the necessary balance of technology vision and prudent business management to ensure Ciena maintains its lead position in the industry. Ciena's global successes, including its recent selection as a preferred supplier for BT's 21<sup>st</sup> Century Network, are testaments to major customer's confidence in Ciena's ability to execute in projects of significant scale and scope. Ciena has more than 200 clients across the globe, including France Telecom, Swisscom, AT&T, China Telecom, Telefónica Soluciones in Spain, and Teléfonos de México S.A. de C.V. (Telmex), Mexico's largest telecommunications service provider.

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### **■ Harry L. Bosco, President and CEO, *Opnext***

Harry Bosco brings Opnext (OPXT) a background rich in fiber optic technology and corporate leadership. As President and CEO, he drives the strategic direction of one of the global leaders in high-performance optical components. Prior to joining Opnext, Mr. Bosco spent more than 30 years at AT&T, Bell Laboratories and Lucent Technologies. During his tenure at Lucent, he led the optical networking group, serving as group president and COO. Leveraging a solid business and technology background with expertise across all business functions, Mr. Bosco also served as CTO for Lucent consumer products, vice president of the wired technology and initial production center, president of the network systems broadband networking unit, and CTO for the service provider networks. Highlights during his time at Lucent include leading the development of Lucent's core data networking architecture, helping mastermind the company's broadband networking strategy and deploying Lucent's optical networking product portfolio.

## **Company Description**

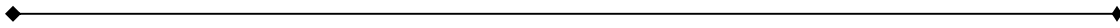
From the latest communications networks to new security systems, and from major advances in medical systems to high-demand consumer electronics, Opnext (OPXT) laser technologies add the spark of innovation to a world of new applications. The company's industry expertise, future-focused thinking and commitment to research and development combine in bringing to market solutions that are ready for the next generation of laser-based products. Formed out of Hitachi, Opnext has built on more than 30 years experience of advanced technology to establish its broad portfolio of solutions and solid reputation for excellence in service. For additional information, visit [www.opnext.com](http://www.opnext.com).

■ **Adam Carter**, Marketing Manager, Transceiver Module Group, **Cisco**

Adam Carter is the Marketing and Operations Manager for the Transceiver Module Group (TMG), Cisco. In his role, he is responsible for the marketing of all pluggable transceiver modules used across Cisco as well as working closely with the switching and routing business units in defining and planning their future transceiver needs. Prior to joining Cisco, Dr. Carter was Director of Marketing for the Fiber Optic Product Division at Avago Technologies, and before that held positions in strategic marketing, product management, operations and product development for Agilent Technologies, Hewlett Packard and British Telecom & Dupont (BT&D). Prior to this he held product development positions at STC UK (now Nortel Networks) and ITT. Dr. Carter holds a BSc (Hons.) in Applied Physics from Portsmouth University and received a PhD from the University of Wales, Cargiff for his research on dry etching of III-V semiconductor materials.

### **Company Description**

Cisco is the worldwide leader in networking for the Internet. Today, networks are an essential part of business, education, government and home communications, and Cisco Internet Protocol-based (IP) networking solutions are the foundation of these networks. Cisco hardware, software, and service offerings are used to create Internet solutions that allow individuals, companies, and countries to increase productivity, improve customer satisfaction and strengthen competitive advantage. The Cisco name has become synonymous with the Internet, as well as with the productivity improvements that Internet business solutions provide. Cisco's vision is to change the way people work, live, play and learn.



■ **Alain Couder**, President and Chief Executive Officer, **Bookham, Inc.**

Alain Couder brings more than 30 years of international management experience to Bookham. Prior to joining the Company in August 2007, Mr. Couder served as President and CEO of Solid Information Technology Inc., a supplier of database solutions. Previously, he served as an advisor for Sofinnova Ventures, a venture capital firm. Mr. Couder has also held the positions of President and CEO of Confluent Software, Inc., a provider of web services management, and President and CEO of IP Dynamics, Inc., a security software provider. Mr. Couder previously served as Chief Operating Officer of Agilent Technologies, Chairman and CEO of Packard Bell NEC, Inc., and Chief Operating Officer of Groupe Bull, a computer company. He also held a series of general and technology management positions at Hewlett Packard and IBM.

## **Company Description**

Bookham, Inc. is a leading developer, manufacturer, and provider of optical solutions. The company designs, manufactures and markets optical components, modules and subsystems used in a broad range of markets, including telecommunications, data communications, aerospace, industrial, consumer optics, semiconductor, sensing, scientific and defense. Founded in 1988, the company is based in San Jose, California and has development and manufacturing facilities in the UK, USA, Canada, China, and Switzerland. Bookham boasts two facilities in the United Kingdom, two in the United States, one in Canada, and a 250,000 square foot, state-of-the-art manufacturing facility in Shenzhen, China.

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## **■ Fariba Danesh, Senior Vice President and General Manager, *Avago Technologies***

Fariba Danesh is senior vice president and general manager of the Fiber Optic Products Division (FOPD) for Avago Technologies. FOPD is a leading manufacturer of Ethernet, Fibre Channel and SONET fiber optic transceivers and components. Ms. Danesh most recently served as executive vice president, operations at Maxtor Corporation. Preceding Maxtor, she was chief operating officer and senior vice president operations at Finisar Corporation, a technology leader in fiber optic subsystems and network performance test systems. She was also president and CEO of Genoa Corporation and has held senior operations and engineering executive roles at Sanmina-SCI, Seagate Technology and Conner Peripherals. Ms. Danesh holds a bachelor's degree in biochemical engineering from Santa Clara University.

## **Company Description**

Avago Technologies brings together the capabilities and track record of an established global leader with the energy and responsiveness of a startup. The company spent their first three decades as part of HP, where they acquired a reputation for innovation, quality and superior customer service and amassed an intellectual property portfolio of more than 2,000 patents. During the next few years Avago continued to diversify and grow as the semiconductor division of HP's spinoff, Agilent Technologies. Then in late 2005 they were acquired by KKR and Silver Lake Partners, and became an independent company. Avago provides an extensive range of analog, mixed-signal and optoelectronic components and subsystems to more than 40,000 customers, including many of the world's top original equipment manufacturers. Avago Technologies has the industry's best on-time delivery record, and an unsurpassed global distribution network. Their worldwide design and application resources allow them to work face-to-face with customers, and they have the R&D, manufacturing and global supply chain to deliver cutting-edge technology in high volumes, to accelerate market adoption.

■ **Shri Dodani**, President and CEO, **StrataLight Communications**

Shri Dodani is the President and Chief Executive Officer at StrataLight Communications, Inc., the leading supplier of 40G DWDM systems. He is a veteran executive of the computer and communications industry with engineering, sales and marketing experience at major silicon, systems and software companies. Prior to joining StrataLight, Mr. Dodani held several executive positions at Intel (INTC) including business development in the Consumer Electronics Group and general management in the Communications Group. He was the President and CEO at VxTel, a Silicon Valley Voice-over-IP silicon and software start-up that was acquired by Intel. Before VxTel, Mr. Dodani was Vice President, Engineering and Operations, at Carrier Access Corp. (Nasdaq: CACS), with responsibility for engineering, product development, manufacturing and market introduction activities. He joined the company at an early stage, and managed its triple digit growth which led to a successful IPO. Prior to Carrier Access, he served as an executive with major computer and communications companies such as Nortel, Alcatel, ADC Telecommunications and Computer Automation.

### **Company Description**

StrataLight's mission is to provide spectrally efficient 40 Gbps and higher optical systems and subsystems to network systems vendors that allow plug and play integration into their current 10 Gbps DWDM link designs and network management systems. StrataLight is committed to providing:

- Carrier class optical modules that are performance and cost optimized for Metro through to ULH applications.
- World class quality products and services to their customers and partners.
- An excellent workplace environment and practice for our employees.
- Value to our shareholders, employees, suppliers, and customers.

StrataLight is addressing an ever growing market demand for larger bandwidth.

Convergence of all telecommunications applications over IP, including bandwidth demanding Video over IP, means that service providers must scale their IP networks considerably over the coming years to support this new demand. In response to this requirement, router vendors have developed new Terabit IP routers with interfaces at OC-768 speed for optimum IP efficiency. Long/ultra long haul, regional, and metro 40 Gbps DWDM networks must be deployed to support these new capacity demands. StrataLight's optical technology can be retrofitted into existing 10 Gbps DWDM systems, without any change to existing fiber, amplifiers, optical filters, or other network infrastructure, quadrupling remaining capacity or used to maximize capacity on Greenfield deployments.

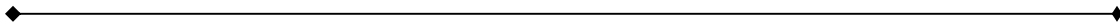
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■ **Joseph Liu**, President and CEO, *Oplink Communications, Inc.*

Joseph Liu is one of the founders of Oplink Communications, Inc. and has served as Chief Executive Officer and President since October 2002 and a member of the Board of Directors since the company's inception in 1995. Previously, Mr. Liu served as Oplink's Chief Executive Officer from September 1999 to November 2001, and served as its Chairman of the Board of Directors from inception in 1995 through May 2000 and again from November 2001 to August 2002. From 1994 to 1995, he was the General Partner of Techlink Technology Ventures. Prior to 1994, Mr. Liu spent ten years as chairman and chief executive officer of Techlink Semiconductor and Equipment Corp., a semiconductor equipment and technology company. He also serves as a director of several privately held companies involved in semiconductor integrated circuit design and manufacturing. Mr. Liu received his B.S. from Chinese Cultural University, Taiwan and his M.S. from California State University, Chico.

**Company Description**

Oplink is a leading provider of design, integration and Optical Manufacturing Solution (OMS) for optical networking components and subsystems. The company offers advanced and cost-effective optical-electrical components and subsystem design and manufacturing solutions in its facilities in Zhuhai, Shanghai and Wuhan, China, as well as at Woodland Hills, California. In addition, Oplink maintains a full complement of optical-centric front-end design, application, and customer service functions at its headquarters in Fremont, California. The company's customers include telecommunications, data communications and cable TV equipment manufacturers around the globe. Oplink is committed to providing fully customized, Photonic Foundry services incorporating its component and subsystem manufacturing capabilities.



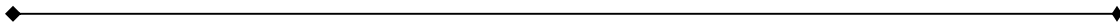
■ **Karen Liu**, Vice President, Components, *Ovum RHK*

Karen Liu has been a contributor to the optical components field since 1981. Her industry experience encompasses both the technical and marketing aspects of the DWDM transition in optical networks. Having been on both the supplier and customer side of cutting edge optical components, she has hands-on appreciation for networks, systems architecture and the interaction with the component technology. Dr. Liu is currently an industry analyst with Ovum RHK, where she has worked on a number of market advisory projects on disruptive technology introduction. She was also the author of the first detailed forecast for ATCA platforms. Prior to joining Ovum RHK, Dr. Liu worked at Tellabs as a Senior Product Planner, with responsibility for optical architecture and product definition of a metropolitan DWDM product. Before Tellabs, she was a Research Staff Member at the IBM Research Division, responsible for the optical design of one of the earliest commercial DWDM system products. Dr. Liu received a Ph.D. in applied physics from Stanford University with a thesis on Neodymium doped fiber devices for fiber gyroscopes and a B.S.E. in mechanical and aerospace engineering from Princeton University with a thesis on tunable lasers for spectroscopy.



## **Company Description**

Ovum RHK assists the world's leading telecommunications, network infrastructure, and telecom investment companies in making informed business decisions by helping them understand business opportunities, market trends, and technology shifts in the communications industry. Through a combination of market intelligence, forecasts, insights, analysis, expert analyst inquiry, consulting and engagements, Ovum RHK offers deep expertise in content, financial, business development, technology, regulatory, and consumer-acceptance industry issues. Ovum RHK is well-respected for its singular focus on communications, it's global and regional expertise, the depth and scope of its insights, the breadth of its contact network, and the real world experience and seniority of its notable advisory staff. Ovum RHK clients include the world's leading telecommunications vendors, service providers, and financial investment companies.



### ■ **Jo Major**, Chairman of the Board, President and CEO, *Avanex*

Dr. Jo Major joined Avanex in 2004 and is Chairman of the Board, President, and Chief Executive Officer. He is a veteran of the optical industry with over 16 years of experience and record of accomplishment as a senior executive. His experience includes internal restructuring, acquisitions and product development. Prior to joining Avanex, Dr. Major served as Senior Vice President and General Manager of the Components Business Group with JDS Uniphase Corporation. Prior to that Dr. Major served as Research Scientist, Director of the Communications Business Unit and Vice President of the Optical Pump Business Unit with SDL, Inc. before its merger with JDS in 2001. Dr. Major earned his Ph.D., M.S. and B.S. in electrical engineering from the University of Illinois. He was an Intel Fellow from 1988-1990, and also has studied finance, marketing and business management at Stanford University.

## **Company Description**

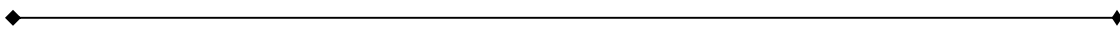
Avanex is a leading global provider of Intelligent Photonic Solutions. Avanex meets the needs of fiber optic communication networks by enabling greater capacity, longer distance transmission, improved connectivity, higher speeds and lower cost. These solutions enable or enhance optical wavelength multiplexing, dispersion compensation, switching and routing, transmission, amplification, and network managed subsystems. Headquartered in Fremont, CA, Avanex maintains facilities in Horseheads, NY; Nozay, France; San Donato, Italy; and Shanghai, China. The facilities are home to Avanex's Centers of Excellence for specialized research. A world-class manufacturing operation resides in Bangkok, Thailand.

■ **Tom McDermott**, Distinguished Strategic Planner, ***Fujitsu Network Communications***

Tom McDermott is a distinguished strategic planner at Fujitsu Network Communications. In this role, he is responsible for developing product plans, network vision, corporate business plans, and coordination of key technologies for optical and data networks. Mr. McDermott's career in telecommunications began in 1975 at Rockwell International (now Alcatel) in product development. His responsibilities at Alcatel were in lightwave and digital crossconnect systems, and later corporate optical research. As vice chair of the non-profit Alliance for Higher Education (AHE), he assembled the North Texas gigaPop--consortium of five universities and the AHE, and implemented an Internet2 connection to the universities. In 1999, Mr. McDermott joined IP/MPLS optical router startup Chiaro Networks where he was CTO, responsible for optical switching and product technology. Since joining Fujitsu in 2006, he has been involved in Metro Optical Network definition, product planning, and corporate strategic business planning. Mr. McDermott holds a Bachelor of Science degree in Electrical Engineering from the University of California at Berkeley. He is a member of the IEEE Communications Society.

**Company Description**

Fujitsu Network Communications Inc. is an innovator and strategic partner with over 20 years of experience as a leading provider of wireline and wireless networking solutions that solve critical business issues and enable new services. With the support of Fujitsu Limited (TSE:6702), a \$43.2B company with over 160,000 professionals in more than 100 countries, Fujitsu enables their customers to build or seamlessly migrate to fully converged networks that improve network performance and profitability. Nearly 400,000 Fujitsu network elements have been deployed by all major carriers across North America. Fujitsu maintains a well-established and highly-regarded position as a market leader by providing the best-in-breed data networking solutions that drive next-generation access, core, and wireless networks. For more information, please visit <http://us.fujitsu.com/telecom>.



■ **Ikuo Mito**, General Manager, Fiber Optic Device Division, ***NEC Corporation***

Ikuo Mito is the General Manager of Fiber Optic Device Division (FODD), NEC Corporation. He is concurrently the President of NEC Yamanashi Ltd., which manufactures optical components, transceivers and optical submarine repeaters. Mr. Mito has had a long career, from 1977 to 2002, on semiconductor laser research and development of InGaAsP LDs, DFB LDs, MQW-DFB LDs, wavelength tunable DBR LDs, and selective area MO-VPE growth in NEC. From 2002 to 2003, he was the General Manager of Environment Research Labs. Since 2004, as the General Manager of FODD, he drives the strategic product direction to integrate optical semiconductors and PLCs (Planar Lightwave Circuits). Full-band tunable laser, consisted of PLC ring resonator and SOA, is a typical product. In taking charge of NEC Yamanashi Ltd., since 2004, he is responsible for the fiber optic devices business in NEC. Mr. Mito holds B.S. and M.S. degrees in Applied Physics from Tohoku University in the city of Sendai, Japan. He has served as a committee member of OAA, Int. Semiconductor Laser Conference, ECOC, etc.

### **Company Description**

NEC Corporation was established in 1899. The President is Mr. Yano. Major operations of NEC Group are IT/NW Solution Business, Mobile/Personal Solution Business and Electron Business. Net sales in fiscal year ended March 31, 2007 were 4,653 billion yen.

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#### ■ **Anthony (Tony) Musto**, President of Sales and Marketing, **Optium Corporation**

Tony Musto has over 25 years of high-speed electronics and fiber optics experience. Currently Vice President of Sales and Marketing for Optium Corporation, Mr. Musto joined Optium in April 2001 as one of the company's original employees. Prior to joining Optium, he was the Director of Marketing for JDS Uniphase's TSD division that included CATV and OC-192 datacom products. Prior to that, Mr. Musto worked both as a development engineer and in a variety of sales and marketing roles with Sarnoff Corporation, Microwave Semiconductor Corp, Optimax, and AEL Defense Corporation. He received a BSEE from Penn State.

### **Company Description**

Optium Corporation was founded in 2000 and has quickly become a leading supplier of high-performance optical subsystems used in telecommunications and cable TV. Optium addresses the fastest growing segments of the optical communications market with an extensive suite of optical subsystems, including 10Gb/s and 40Gb/s transceivers, cable TV and fiber to the home transmitters, analog RF over fiber products, line cards, circuit packs and Optium's next generation LCoS based WSS ROADM and ROADM circuit packs. Optium's unique operating model has led to a strong record of growth and profitability. The company strives for world-class efficiency, matching best-in-class components with its highly automated integrated in-house design, manufacturing and testing capabilities to deliver technologically advanced, high-performance transmission solutions to customers around the world. Quoted on the NASDAQ Global Market under the symbol "OPTM," Optium is headquartered in Horsham, Pennsylvania and has offices in Sydney, Australia and Nes Ziona, Israel. For more information, visit <http://www.optium.com>.

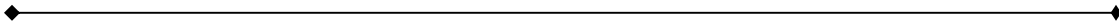
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#### ■ **Mike Nishiguchi**, President and CEO, **ExceLight Communications, Inc.**

Masanori "Mike" Nishiguchi is the President and CEO of ExceLight Communications Inc., a subsidiary of Sumitomo Electric Industries (SEI) headquartered in Durham, NC. Dr. Nishiguchi holds bachelor's, master's, and doctorate degrees in Applied Physics from Osaka University, where he specialized in optical image processing and gallium arsenide (GaAs) integrated circuit reliability. He joined SEI as a researcher in medical sensors in 1982 and later helped SEI establish its GaAs fabrication plant. Dr. Nishiguchi has held various management positions with SEI in both Japan and the United States, dealing with technical marketing and strategic business development for optical communication components. He has been awarded more than 30 patents and has written over 20 technical papers, principally dealing with GaAs technology.

### **Company Description**

ExceLight Communications, Inc., a subsidiary of Sumitomo Electric Industries, is a leading provider of optical components and modules to the telecom, CATV, broadband, and data communications markets. ExceLight offers a comprehensive array of transceivers, transmitters, receivers, lasers, photodiodes, and passive components. Sumitomo's world-class research and manufacturing capabilities in optical technology continue to expand and strengthen the product portfolio while maintaining industry-leading levels of reliability. The well-established global presence of Sumitomo allows ExceLight to provide integrated support to customer facilities throughout the world. [www.excelight.com](http://www.excelight.com)



#### **■ Bardia Pezeshki, CTO and Founder, *Santur Corporation***

Prior to founding Santur, Bardia Pezeshki managed the Technology Development group at SDL Inc. (now part of JDS Uniphase). From 1996 to 2000, the group developed numerous diode-based technologies for high power and telecom applications. Before SDL, he managed an optoelectronics group at IBM T.J. Watson Research Center, where his own work centered on novel devices for WDM telecommunications. Dr. Pezeshki has numerous publications and patents in the field, including the first patent on micromechanically tunable VCSELs, currently being commercialized by a number of companies. He obtained his Ph.D. in electrical engineering from Stanford University in 1991, with a graduate thesis on vertical cavity modulators.

### **Company Description**

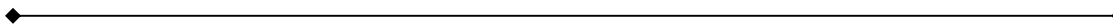
Headquartered in Fremont, California, Santur Corporation is the world's leading vertically integrated manufacturer of high-performance tunable lasers and transmitters for metro and long-haul WDM systems, as well as next generation parallel optics. The company's patented DFB-array technology enables the fabrication of broadly tunable sources at the same high performance as fixed wavelength sources. Santur's products have set a new standard in the industry with their unique combination of high-power achieved without the use of a semiconductor optical amplifier (SOA), wide tunability with no possibility of mode hops, stability in harsh environments, Telcordia GR-468 reliability and value. For more information, visit [www.santurcorp.com](http://www.santurcorp.com), call 1-(866)-TUNABLE, or e-mail [marketing@santurcorp.com](mailto:marketing@santurcorp.com).

■ **Jerry S. Rawls**, Chairman of the Board, President and CEO, ***Finisar Corporation***

Since 1989, Jerry Rawls has served as President, Chief Executive Officer, and a member of the Board of Directors for Finisar Corporation. In 2006, Mr. Rawls was elected Chairman of the Board. From 1968 to 1989, he was employed by Raychem Corporation, a materials science and engineering company. At Raychem he held various management positions including Manager of Product Marketing, National Sales Manager, General Manager of the Aerospace Products Division, and General Manager of the Interconnection Systems Division. Mr. Rawls holds a B.S. in Mechanical Engineering from Texas Tech University and an M.S. in Industrial Administration from the Krannert Graduate School of Management at Purdue University. He is a member of Tau Beta Pi and Pi Tau Sigma engineering honorary societies.

**Company Description**

Finisar Corporation (NASDAQ: FNSR) is a global technology leader for fiber optic components and subsystems and network test and monitoring systems. These products enable high-speed voice, video and data communications for networking, storage and wireless applications over Local Area Networks (LANs), Storage Area Networks (SANs), and Metropolitan Area Networks (MANs) using Ethernet, Fibre Channel, IP, SAS, SATA and SONET/SDH protocols.



■ **Reuben F. Richards**, President and CEO, ***EMCORE Corporation***

Mr. Richards joined EMCORE Corporation in October 1995 as its President and Chief Operating Officer and became Chief Executive Officer in December 1996. Mr. Richards has been a director of the Company since May 1995. From December 1993 to December 1995 he has been a member and President of Jesup & Lamont Merchant Partners. From 1991 to 1993, Mr. Richards was a principal with Hauser, Richards & Co., a firm engaged in corporate restructuring and management turnarounds. From 1986 to 1991, Mr. Richards was a Director at Prudential-Bache Capital Funding in its Investment Banking Division. Mr. Richards serves on the Boards of the University of New Mexico School of Engineering, Sandia National Laboratories External Review Panel and Board of GELcore, EMCORE's joint venture with General Electric.

**Company Description**

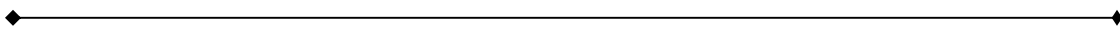
EMCORE Corporation offers a broad portfolio of compound semiconductor-based components and subsystems for the broadband, fiber optic, satellite, and wireless communications markets. EMCORE continues to expand its product portfolio to enable the transport of voice, data and video over copper, hybrid fiber/coax (HFC), fiber, satellite and wireless communication networks. The Company provides cost-effective components and subsystems for the cable television (CATV), telecommunications, data and storage, satellite and wireless communications markets.

▣ **Hans-Juergen Schmidtke**, Head of IP Transport, North America, **Nokia Siemens Networks**

Hans-Juergen Schmidtke is Head of the IP Transport Group in North America for Nokia Siemens Networks. In that role he is responsible for Nokia Siemens Networks' DWDM, Carrier Ethernet, Microwave, IP connectivity and mobile backhauling business lines. His team is responsible for product management, solution sales management, marketing, engineering, and product development to define and build leading technologies and products. Over the past years at Nokia Siemens Networks and before Siemens Communications, Inc., he has held positions in product management and general management in both Germany and the US. Dr. Schmidtke has more than 15 years experience in optical research and industry. He worked on various aspects of optical physics from advanced research, to product development, to real-world large-scale deployments. He studied physics at the University of Dusseldorf and at the Max-Planck Institute of Quantum Optics, and received his Ph.D. from the University of Wurzburg. He is member of the German Physical Society, IEEE and OSA.

**Company Description**

Nokia Siemens Networks is a leading global enabler of communications services. The company provides a complete, well-balanced product portfolio of mobile and fixed network infrastructure solutions, which include optical transport solutions with the best-in-class system performance and scalability. Their ROADM is designed for superior ROI - remote configurability and automated management to ensure lowest operational cost. Nokia Siemens Networks is the clear global leader in Long-Haul/ Ultra-Long Haul ROADM two years running. The combined pro-forma revenues of €17.1 billion Euro in fiscal year 2006 make Nokia Siemens Networks one of the largest telecommunications infrastructure companies. Nokia Siemens Networks has operations in some 150 countries and is headquartered in Espoo, Finland. It combines Nokia's Networks Business Group and the carrier related businesses of Siemens Communications. [www.nokiasiemensnetworks.com](http://www.nokiasiemensnetworks.com)

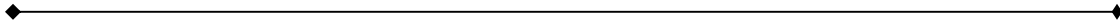


▣ **Raj Shanmugaraj**, Vice President, Optical Networks Division, **Alcatel-Lucent**

Raj Shanmugaraj is Vice President of Business Development in the Optical Networks Division at Alcatel. He is responsible for Optical products business development, pre-sales support and deployment support activities for all Mobile Service Providers in North America. Prior to Alcatel-Lucent, Mr. Shanmugaraj was President and CEO of Astral Point Communications and one of the company's Founders. At Astral Point, he was responsible for setting the strategy and direction of the company and working closely with the Engineering and Sales functions ran the day to day operations of the company up until it was acquired by Alcatel. Before Astral Point Mr. Shanmugaraj was Vice President of Systems Products at PictureTel in Andover, MA. He holds a M.S. in Electrical and Computer Engineering from the University of Iowa and a B.S. (HONS) in Electronics and Communications from the National Institute of Technology in India.

### **Company Description**

Alcatel-Lucent (Euronext Paris and NYSE: ALU) provides solutions that enable service providers, enterprises and governments worldwide, to deliver voice, data and video communication services to end-users. As a leader in fixed, mobile and converged broadband networking, IP and optical technologies, applications, and services, Alcatel-Lucent offers the end-to-end solutions that enable compelling communications services for people at home, at work and on the move. With operations in more than 130 countries, Alcatel-Lucent is a local partner with global reach. The company has the most experienced global services team in the industry, and one of the largest research, technology and innovation organizations in the telecommunications industry. Alcatel-Lucent achieved adjusted proforma revenues of Euro 18.3 billion in 2006 and is incorporated in France, with executive offices located in Paris. [All figures exclude impact of activities transferred to Thales]. For more information, visit Alcatel-Lucent on the Internet: <http://www.alcatel-lucent.com>



### **■ Dhruvad Trivedi, Vice President and General Manager, Transmissions Business Unit, *JDSU***

Dhruvad Trivedi is currently responsible for the transmission business in JDSU which includes datacom and telecom products. Prior to this, he held other roles at JDSU including corporate development, product line management and general management. Dr. Trivedi holds a Ph.D. in Electrical Engineering and an MBA from Duke University.

### **Company Description**

JDSU enables broadband and optical innovation in the communications, commercial and consumer markets. JDSU is the leading provider of communications test and measurement solutions and optical products for telecommunications service providers, cable operators, and network equipment manufacturers. JDSU is also a leading provider of innovative optical solutions for medical/environmental instrumentation, semiconductor processing, display, brand authentication, aerospace and defense, and decorative applications. More information is available at [www.jdsu.com](http://www.jdsu.com).

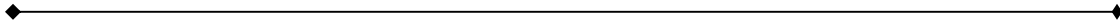
**Executive Forum 2008**  
**Positioning for the Future: What's Ahead for the Optical Communications Industry**

■ **David Welch**, Chief Marketing and Strategy Officer and Founder, *Infinera*

David F. Welch, Ph.D. co-founded Infinera and has served as the Chief Marketing and Strategy Officer since January 2007. From May 2004 to January 2007, Dr. Welch served as the Chief Strategy Officer. From May 2001 to May 2004, he served as the Chief Development Officer/Chief Technology Officer. From May 2001 to November 2006, Dr. Welch also served as a member of the board of directors. From February 2001 to April 2001, Dr. Welch served as Chief Technology Officer of the Transmission Division of JDS Uniphase Corporation, an optical component company. From January 1985 to February 2001, Dr. Welch served in various executive roles, including Chief Technology Officer and Vice President of Corporate Development of SDL, an optical component company. Dr. Welch holds a B.S. in Electrical Engineering from the University of Delaware and a Ph.D. in Electrical Engineering from Cornell University.

**Company Description**

Infinera provides Digital Optical Networking systems to telecommunications carriers worldwide. Infinera's systems are unique in their use of a breakthrough semiconductor technology: the Photonic Integrated Circuit (PIC). Infinera's systems and PIC technology are designed to provide optical networks with simpler engineering and operations, faster time-to-service, and more flexible networking. For more information, please visit [www.infinera.com](http://www.infinera.com).



■ **Greg Young**, President and CEO, *Luxtera*

Greg Young joins Luxtera with over 15 years experience in the semiconductor industry. Most recently he was Vice President and General Manager of the High Speed Ethernet Controller and High Definition Media PC Video business units at Broadcom. In this position, Mr. Young led the growth of the Ethernet Controller business unit from concept to hundreds of millions in revenue and the number one market share position. Prior to joining Broadcom, he was with Intel where he held several engineering marketing and leadership positions.

**Company Description**

Luxtera, Inc. is a fabless semiconductor company and the world leader in silicon photonics. Luxtera fulfills the world's insatiable demand for bandwidth by uniting the high performance of fiber-optic communications with the low-cost and high-volume manufacturing advantages of mainstream silicon CMOS fabrication. The company was founded in 2001 by a team of industry-renowned researchers and technology managers drawn from the communication and semiconductors industries. Luxtera is funded by leading venture capitalists: Sevin Rosen Funds, August Capital and New Enterprise Associates. Luxtera just announced its first commercial product based on its CMOS Photonics technology, Blazar, and will begin shipping later this year. Luxtera is headquartered in Carlsbad, CA. More information on Luxtera can be found on the company's web site: [www.luxtera.com](http://www.luxtera.com).