



# PROGRAM



13 to 15 June 2005

ICM—International  
Congress Centre Munich

## Enabling Strong Networking: FiberComm meets Business and Markets

2005 **fibercomm**  
c o n f e r e n c e

### Topics of the three-day conference on optical communications

#### Tutorials

- Technologies the Optical Industry Will Need: From Advanced Devices to Protocols and Software. (13 June 2005)
- From the Edge to FTTx—Current View and Latest Innovations. (13 June 2005)
- The Advanced TCA Initiative—Catching the Telecom-IT Convergence Wave. (13 June 2005)
- Polymer Fiber Applications, Ranging from In-house to the Access Network. (14 June 2005)

#### Sessions

- Optical Market Insights & Perspectives (14 June 2005)
- NG-Network Architectures & Products (14 June 2005)
- Applications & Business Models (15 June 2005)

#### General Chair and Keynote Speakers:



**General Chair:**  
Jost A. Spielvogel,  
HMS Highland  
Market Service,  
Germany



**Keynote Speaker:**  
Stéphane R. Téral,  
Managing Director,  
Advisory Services,  
RHK Inc., USA



**Keynote Speaker:**  
Glenn Wellbrock,  
Dir. of Network Technology  
Development, MCI  
Communications, USA



**Keynote Speaker:**  
Anton Schaaf,  
CTO Siemens Com,  
Germany

#### Speakers from the following companies:

- Acterna
- ADVA
- Agilent
- Alcatel
- British Telecom
- Capella Photonics
- CIBC
- Cisco Systems
- Colt Telecom
- Core Optics Inc.
- Deutsche Telekom
- ElectroniCast
- Infinera
- Intel
- Lucent
- Marconi
- MCI Communications
- Motorola
- NetCentrex
- Nortel Networks
- OptoVia
- Pandatel
- RHK Inc.
- Siemens AG
- Transmode
- VPIsystems
- and others

08:30 Registration

09:30–17:30

**Full-Day Tutorial T1: Technologies the Optical Industry Will Need: From Advanced Devices to Protocols and Software**

09:30 Introduction by the Chairman

*Dr. Joerg-Peter Elbers, Director of Technology Evolution, Marconi, Germany*

09:45 Technologies for Robust Optical Transmission

- Basics of transmitter line coding and signal distortions
- Comparison of advanced line coding schemes
- Optical and electronic equalization at the receiver
- Maximum Likelihood Detection
- Linear channel equalization: Transmitter predistortion, coherent detection with electronic processing

*Speaker: Dr. Christoph Schulien, VP of Marketing, Business Development and Sales EMEA (Co-Founder), CoreOptics, Germany*

10:15 Wavelength Selective Switches in a Dynamic and Remotely Reconfigurable Network

- Functionality
- Network Applications and Comparison to Alternative Approaches
- Availability

*Speaker: Kenneth J. Falta, Vice President Sales&Marketing, Capella Photonics, USA*

10:45 Morning Coffee Break

11:15 The Role of Network Processors & Framers in NG HW Platforms

- New services require industry investments
- Maximized return of investment is pre-eminent
- Challenge for the industry is to provide single HW architecture for multiple services
- Network Processors allow multiple services in the network- and transport layer
- Highly integrated Framers provide standard functions on physical- and data link layer
- Reduced risk and investment for service enhancements

*Speaker: Harald Floiger, Product Marketing Manager, Intel, Germany*

11:45 OTN and Next Generation SDH in Optical Core Networks

- Future-Proofing SDH: VCAT, LCAS, and GFP
- Electrical and Optical Layers of the OTH
- Standardisation
- Network Scenarios: Interworking, Data and Transparent Services

*Speaker: Dr. Christian Scheerer, Product Line Manager, Optical Core Products, Marconi, Germany*

12:15 Lunch Break and Visit of Exhibits

14:15 ASON/GMPLS Control Planes

- Decentralised network control
- Resilience mechanisms
- Multi-Layer-Interworking
- Automated operations and OPEX reductions

*Speaker: Dr. Andreas Iselt, Senior Principal Research Scientist, Siemens AG, Germany*

14:45 Management Aspects of ASTN/GMPLS Networks

- Impact of the ASTN/GMPLS concept on the role of network management
- Aspects of migration and interoperability
- Standards for management interfaces
- Opportunities and challenges for the evolution of transport network management

*Speaker: Dr. Georg Lehr, Senior Project Manager, T-Systems International, Germany*

15:15 Measurement Solutions for GMPLS-enabled Layer 1 VPNs

- Overview of service models possible with the NGN-Architecture
- Characteristics summary of typical Layer-1 services such as dynamic bandwidth provisioning, Layer-1 VPN, carrier's carrier
- Illustration of specific test and measurement challenges
- Examples of typical test configurations

*Speaker: Dr. Wolfgang Grupp, Director Innovation Projects, Acterna, Germany*

15:45 Afternoon Coffee Break

16:15 RPR: Technology, Compliance & Interoperability

- Outline of market drivers and key benefits of Resilient Packet Ring (RPR) technology
- Overview of the fundamental types of RPR devices
- Outline of the basic operation of RPR including the RPR mapping structure into Next Generation SONET/SDH and the RPR frame format plus RPR basic node functions

*Speaker: Andrew Wilson, European Sales Development Manager, EPS CNS Data Networks Division, Agilent, UK*

16:45 Ethernet as a Transport Technology: Technology, Standards and Deployment Options

- Carrier Class Ethernet: Ethernet Standards Evolution to meet Carrier Class Requirements
- Ethernet Transport Options: MPLS/VPLS and/or native Ethernet?
- Operational Aspects of Ethernet Transport Networks: OAM
- Deployment Aspects: Ethernet Aggregation Networks for Business and Residential Services

*Speaker: Dr. Frank Brockners, Chief Technologist, Optical and Ethernet Technologies, Cisco Systems Inc., USA*

17:15 Wrap-up, Dr. Joerg-Peter Elbers, Marconi

09:30–12:30

**Half-Day Tutorial T2: From the Edge to FTTx—Current View and Latest Innovations**

09:30 Introduction by the Chairman

*Gerlas van den Hoven, CEO, Genexis, Netherlands*

09:45 Fiber to the Premises in North America

- B-PON technology
- FTTP deployments in the U.S.
- IP-video and its impact on the network
- G-PON technology
- Future outlook and time table

*Speaker: Frank J. Effenberger, Director of System Engineering, Motorola, Germany*

10:15 Fiber-to-the-home in Europe

*Speaker: Gerlas van den Hoven, CEO, Genexis, Netherlands*

10:45 Morning Coffee Break

11:00 Ethernet Transport Systems for the 2nd Mile

- Transport requirements on the 2nd Mile
- Technology alternatives: not every answer is a solution
- Ethernet transport: from hype to value
- A view at standard bodies: still gaps to bridge?

*Speakers: Ulrich Kohn, Director Network Strategy, Dr. Jan Späth, Director Network Evolution, Marconi, Germany*

11:30 Broadband Service in the Residential Market Segment

- Residential services: IPTV
- First mile copper and fiber (xDSL, PON)
- Second mile (ATM, Ethernet)
- Carrier Business Case

*Speaker: Dr. Alexander Rinck, Vice President Business Development, Information and Communication Networks, Siemens, Germany*

12:00 Intelligent Edge Networking

- Service Convergence: Concepts for delivering the same Service and User-Experience over Multiple Different Access Media—Copper, Fiber and Wireless
- Next Generation Networking Concepts for Medium Independent Service Access, Dynamic Service Selection and Session Border Control
- Leveraging Layer-5 Control Points for Mass-scale Value-added Service Delivery
- Use-Cases for Customized, Dynamic “On-Demand Services Delivery” to Customers

*Speaker: Dr. Frank Brockners, Chief Technologist, Optical and Ethernet Technologies, Cisco Systems Inc., USA*

12:30 Lunch Break and Visit of Exhibits

# Monday, 13 June 2005

14:30–17:45

## Half-Day Tutorial T3: The AdvancedTCA Initiative—Catching the Telecom-IT Convergence Wave

*Building on the ATCA Foundation with Associated Management Ecosystem Components to Advance Optical Transport Applications.*

### 14:30 Introduction by the Chairman:

*John Hughes, Principal Consultant, Pinon Horizon, USA*

#### Open Platform Synopsis

- Open platform overview
- ATCA as a shelf-based open platform foundation
- The “Alphabet Soup” of related activities
- ATCA inadequacies for Optical Transport applications
- Next steps for a continued evolution

### 14:45 The ATCA Specification

- ATCA overview
- AMC overview
- ATCA 300 overview

*Speaker: John Hughes, Principal Consultant, Pinon Horizon, USA*

### 15:15 ATCA-related Software Ecosystem Components

- Software ecosystem value
- Software ecosystem framework

*Speaker: Dr. Markus Leberecht, Strategic Marketing Manager, Motorola, Germany*

### 15:45 Afternoon Coffee Break

### 16:15 Open Optical Transport Platform Issues (Line System Management)

- Mechanical infrastructure at remote locations
- Management infrastructure at remote locations
- Control requirements for optical line systems

*Speaker: Niall Robinson, Vice President Marketing, OptoVia, USA*

### 16:45 Summary: Next Steps for an Open Optical Ecosystem

- Critical review of existing specifications
- Recommendations
- Craft interface framework

*Speaker: John Hughes*

### 17:00 Panel Discussion:

#### The Service Provider Perspective and General Issues

*Panelists: Speakers + Glenn Wellbrock, Director of Network Technology Development, MCI Communications, USA*

### 18:00 Evening reception (together with LASER. World of Photonics)

# Tuesday, 14 June 2005

08:00 Registration

09:00–12:30

## Session 1: Optical Market Insights & Perspectives

### 09:00 Welcome and Opening Remarks by the Chairman

#### 09:15 Key Note

##### Reborn from the Ashes, a New Telecom Era is Shaping Up

- Analysis of drastic changes across the food chain
- Emerging trends and their implications on what the surviving vendors need to do
- What type of equipment and technologies are needed to meet the new demand
- New Service Platforms and their underlying technologies

*Speaker: Stéphane Téral, Managing Director, Advisory Services, RHK, USA*

#### 09:45 Presentation

##### The Optical Industry: Shuffling the Deck?

- The post-bubble business model: Recent changes and future expectations. Potential migrations along the value chain.
- Market issues: Strategies for incumbents and newcomers. Market forces and their location.
- The new role of technologies in view of “convergencies of everything.”
- Stock market consideration.

*Speaker: Stephen Kamman, Networking and Data Infrastructure Analyst, CIBC, USA*

#### 10:15 Morning Coffee Break

#### 10:45 Presentation

##### New Horizons for the Components Industry

- The industry moving into its recovery phase
- Dramatic structural changes in recent years
- Insight to “selected” players
- Telco and non-telco opportunities

*Speaker: Ranjit S. Mand, Ph.D., Senior Research Associate, ElectroniCast, USA*

#### 11:15 Panel Discussion

##### Market Perspectives

*Panelists: Speakers + Brian Protiva, CEO and Co-Founder, ADVA, USA*

#### 12.30 Lunch Break and Visit of Exhibits

15:00–18:45

## Session 2: NG-Network Architectures & Products

### 15:00 Welcome and Opening Remarks by the Chairman

*Dr. Roland Leners, Managing Partner, Roland Leners & Associates, Belgium*

#### 15:15 Key Note (System Vendor)

##### The Future is Wireless ... but with many strings attached

- Holistic picture of tomorrow’s communications and the capability of NG Networks to open new business opportunities

- The network of the future will auto select how and over which network the service is transported and thus become “invisible” to the end-user

- To make this easy and effective service delivery possible, the network architecture and especially the control layer must support the needed transparency

*Speaker: Anton Schaaf, CTO, Siemens Communications, Germany*

#### 15:45 Key Note (Network Operator)

##### Key Elements of the NGN—Less is Better!

- Insight on how NG Networks become more cost effective and support new services without sacrificing robustness by employing specific key elements
- Employment of technologies adding value while reducing both capital and operational expenditures
- Employment of automation yielding faster provisioning times, enhanced asset management and highly predictable behavior
- Specific examples to highlight the importance and the way of employing these key elements

*Speaker: Glenn Wellbrock, Director of Network Technology Development, MCI Communications, USA*

#### 16:15 Afternoon Coffee Break

#### 16:45 Presentation

##### Innovative New Optical Network Architecture

- Technology drivers for developing Photonic Integrated Circuits
- Overview of Digital Optical Network architecture and implementation examples
- Enabling new services, network flexibility and operational simplicity
- Network deployments and application examples

*Speaker: Serge Melle, VP Technical Marketing & Network Architecture, Infinera, USA*

#### 17:15 Presentation

##### Evolution of the Building Blocks of Dynamic Optical Networks ... “Cost is King”

- Focus on the physical layer
- Review of transmitters, multiplexers, amplifiers, add drop filters and receivers
- Discussion of the impact of electronic technology and optical integration on the evolution of such building blocks
- Finding answers to the question “Is the future of Optics ... Electronics?”

*Speaker: Hamid Arabzadeh, President and CEO of CoreOptics, Germany/USA*

#### 17:45 Panel Discussion

*Panelists: Speakers + Dr. Myo Ohn, VP Marketing and Business Development, OpTun, USA*

#### 18:30 Closing remarks from the Chair

#### 18:45 End of Conference Day

## Tuesday, 14 June 2005

15:00–18:00

### Half-Day Tutorial T4: Polymer Fiber Applications, Ranging from In-house to the Access Network

15:00 Welcome and Opening Remarks by the Chairman

*Prof. Dr. Ziemann, POF-AC Polymer Optical Fiber Application Center, University of Applied Sciences Georg-Simon-Ohm, Germany*

15:15 Presentation

- Introduction to the latest developments in the field of Polymer Optical Fiber (POF) Networks

- Comparison of the capacity and the parameters of different Polymer Fibers
  - Discussion of installation systems, connectors, cables and required tools
  - Overview of polymer waveguide technology
- Speaker: Prof. Dr. Ziemann*

16:15 Afternoon Coffee Break

17:45 Closing remarks from the Chair

18:00 End of Conference Day

## Wednesday, 15 June 2005

08:00 Registration

09:00–17:00

### Session 3a: Applications & Business Models for Core and Metro Networks

09:00 Welcome and Opening Remarks by the Chairman

09:15 Presentation

**Next Gen Metro Architecture: The Convergence of Packet and Optical**

- Nortel's view of the market and customer segment drivers
  - Architecture evolution via new efficient data packages on the SDH/SONET standard ("Packet Optical")
  - Discussion of key solution building blocks, their attributes & their values in delivering packet based services and multi service transport
  - Including the requirements to be Packet enabled, i.e. packet efficient, aware, open ... and to fit Core network convergence
- Speaker: Harald Zottman, Market Development Consultant, Nortel Networks, Germany*

09:45 Presentation

**Successful Implementation of a True xWDM Network for Dublin, Ireland**

- Description of ESB network and position in the market place prior to the xWDM project
  - Identification of key drivers for a true xWDM network
  - Discussion of requirements, such as availability e.g. on required network evolution strategy
  - Description of the network implementation and the operational benefits from the new technology introduced
  - Examination of conclusions from the project and outline of the continuous strategy forward for ESB Telecoms
- Speaker: George Doherty, Engineering Manager, ESB Telecoms, Ireland and Transmode/Lumentis, Sweden*

10:15 Morning Coffee Break

10:45 Presentation

**Enabling Mass Ethernet Deployment**

Examination of how four different access architectures impact the Total Cost of Ownership of delivering Ethernet services:

- Time Division Multiplexing (TDM) link with an additional managed router as Customer Premise Equipment (CPE)
  - Next-generation Synchronous Optical Network/Synchronous Digital Hierarchy (NG SONET/SDH) CPE
  - Native Ethernet access networks using Layer 2 Ethernet switches
  - Managed Ethernet access—connection-oriented, native Ethernet transport that provides packet aggregation
- Speaker: Stephan Rettenberger, Manager Product Marketing, ADVA, Germany*

11:15 Presentation

**Convergent Transport—Applications in Metro and Core**

- Service Demand
  - The value proposition of integrated network elements
  - Converged networks control—GMPLS
  - Scenario: End-to-end networking
- Speakers: Gert Grammel, Product Manager, Alcatel, Germany*

11:45 Presentation

**Business Intelligence for Transport Network Operators (TNO)**

- Discussion of business intelligence in the area of transport networks, both from a vendor and carrier perspective

- Key business intelligence (BI) requirements & key performance indicators for TNOs
  - Additional operational benefits from the implementation of BI tools in the transport network
  - Possible implementation scenarios
  - Report on a recent implementation of data mining tools in the transport network of a leading European wholesale carrier
- Speakers: Bart Stuyckens, CTO and Founder, NetworkMining, Belgium*  
*Patrick George, International Network Manager, Belgacom International Carrier Services, Belgium*

12:15 Lunch Break and Visit of Exhibits

14:15 Presentation

**The Impact of Fixed/Mobile Convergence and Strategies for Broadband Mobile Carriers**

- The new economic model for operators
  - Redefining strategies and business models—the search for new revenue streams
  - Triple play and fixed-mobile convergence—exploiting voice and video to target specific market segments
  - New, highly leveraged enterprise service packages: VPN, Converged Centrex, Cross Network communication systems
  - Key customer case studies
- Speaker: Bertrand Chauvet, Business Development Director, NetCentrex, France*

14:45 Presentation

**Challenges and Future of Next-Generation Networks: BMFT project EIBONE**

- The evolution of today's link-based architecture to the next generation networks where robust transmission and new multi-layer architectures are required is currently under discussion. These problems are addressed in the BMFT funded research project EIBONE (efficient integrated backbone)
- Presentation of the research targets and structure of the project
- Speaker: Dr. Patrick Leisching, Head of Department for Optical Systems, Siemens, Germany*

15:15 Presentation

**Multi-Span Optical Amplifier Solutions to Deliver Lowest "Total Cost of Ownership"**

- Network benefits of extended amplifier spacing
  - Applications around the globe
  - Technical requirements and pit falls
- Speaker: Niall Robinson, Vice President Marketing, OptoVia, USA*

15:45 Presentation

**An Integrated Approach to Improve the Pre-sales Process**

- Design of next generation SONET/SDH/WDM networks
- Link engineering
- Equipment fitting and configuration
- Design automation

*Speaker: Rudolf Moosburger, Ph.D., VP of NC and Optical Tools, VPIsystems, Germany*

16:15 Presentation

*Speaker: Huawei (invited)*

16:45 Closing Remarks from the Chair

17:00 End of FiberComm Conference 2005

09:00–12:15

### Session 3b: Applications & Business Models for Enterprise Networking & Services

09:00 Welcome and Opening Remarks by the Chairman

09:15 **Presentation**

#### Solutions for Managed Services

- Discussion of the main drivers and services wanted by enterprise customers
- Emphasis on service bundles to reduce churn and attract new customers
- Examples on how service provider have built new services and create new service models through co-operation with other companies
- Case study about new Switched Ethernet VPN services and IT Continuity services

Speakers: *Johann Strauss, Manager Business Development, Cisco, Germany*

*Hans-Peter Ulrich, Business Development Manager, Colt, Germany*

09:45 **Presentation**

#### Carrier Class Ethernet Connectivity Solutions

- General Connectivity Solution Overview
- Positioning of Ethernet Connectivity Solutions (ECS)
- Which/Why Customers chose ECS
- Defining Carrier Class
- Connectivity Market Overview

Speaker: *Johannes Weingart, Head of International Ethernet Services, BT Global Services, Germany*

10:15 **Morning Coffee Break**

10:45 **Presentation**

#### The Role of MPLS in Today's Enterprise

- What does MPLS in the enterprise mean?
- Is there a difference between MPLS as a transport and as a service?
- Why would an enterprise deploy MPLS?
- What issues need to be addressed when deploying MPLS in the enterprise?

Speaker: *Tim Hubbard, Director NGN Technical Marketing, Nortel Networks, UK*

11:15 **Presentation**

#### Winning Strategies: Case Studies in VoIP

- The new economic model for operators
- Redefining strategies and business models—the search for new revenue streams
- Key customer case studies

Speaker: *Bertrand Chauvet, Business Development Director, NetCentrex, France*

11:45 **Presentation**

#### Concept, Elements and Benefits of OVPNs

- Optical Virtual private networks offer outstanding security against data spies and hackers
- OVPNs Elements are next generation "WDM + Cross-Connect" systems
- At present market saturated with previous generation—"Simple WDM" Systems
- Simple WDM Systems: future-unsafe & wasteful of expensive networking resources

Speaker: *Dr. Niraj Agrawal, CTO, Pandatel, Germany*

12:15 **Lunch Break and Visit of Exhibits**

14:15–17:00

### Session 3c: Network Study—Cost-effective Evolution of IP and Optics

14:15 Introduction by the Chairman

*Gerhard Mack, General Manager Optical Networks Division, Alcatel, Germany*

14:30 Objectives of the network study

Speaker: *Matthias Fricke, Deutsche Telekom AG, T-Com, Network Development and Evolution, Germany*

#### Key results

Speakers: *Walter Kailbach, Consultant Network Strategy, Alcatel*

*Dr. Thomas K. Müller, Senior Manager Optical Networking Group, Lucent*

*Stephan Neidlinger, VP Solution Management Optical Networks, Siemens*

*Robert Bschorr, Systems Engineer, Tellabs*

#### Questions & Answers

Chairman and Speakers

16:45 Summary

17:00 **End of FiberComm Conference 2005**

## Poster Presentations, from 13 to 15 June, 2005

#### How to Increase Network Availability in Optical Networks

Speaker: *Wolfgang Froberg, Consultant Network Strategy, Alcatel, Germany*

#### A Heuristic Algorithm for Wavelength Assignment and Routing in DWDM Mesh Topologies

Speaker: *Anil Roy, Ph.D., Assistance Professor, Dhiru Bhai Ambani Institute (DAIIC), India*

#### Streamlining Opto Burn-In, Lifetest and Measurement

Speaker: *Herbert Nathan, Chief Scientist, Mindready, UK*

#### Comparison of Optical and Electrical Dispersion Compensation for Long Haul WDM

Speaker: *Stefano Calabrò, R&D Engineer, Siemens Com Fixed Networks, Spain*

#### Carriers to Profit from Growing Enterprise Demand for Storage Services

Speaker: *Stephan Rettenberger, Manager Product Marketing, ADVA, Germany*

Sufficient interest given, Fibercomm 2005 plans a Workshop for Young Enterprises with the following content:

- VC funding and objectives
- Research funding (e.g. EC)
- The importance of partnering
- The qualification process
- Interworking between universities and start-ups
- The process of outsourcing and its benefit for young enterprises

# Agenda at a glance

Monday, 13 June 2005		Tuesday, 14 June 2005		Wednesday, 15 June 2005	
<b>09:00</b>	<p><b>Full Day Tutorial T1: Technologies the Optical Industry Will Need: From Advanced Devices to Protocols and Software</b></p> <p>09:30 Introduction by the Chairman <i>Marconi</i></p> <p>09:45 Technologies for Robust Optical Transmission <i>CoreOptics</i></p>	<p><b>Half-Day Tutorial T2: From the Edge to FTTx—Current View and Latest Innovations</b></p> <p>09:30 Introduction by the Chairman <i>Genexis</i></p> <p>09:45 Fiber to the Premises in North America <i>Motorola</i></p>	<p><b>Session 1: Optical Market Insights &amp; Perspectives</b></p> <p>09:00 Welcome and Opening Remarks by the Chairman</p> <p>09:15 Key Note: Reborn from the Ashes, a New Telecom Era is Shaping Up <i>RHK</i></p> <p>09:45 The Optical Industry: Shuffling the Deck? <i>CIBC</i></p>	<p><b>Session 3a: Applications &amp; Business Models for Core and Metro Networks Services</b></p> <p>09:00 Welcome and Opening Remarks by the Chairman</p> <p>09:15 Next Gen Metro Architecture: The Convergence of Packet and Optical <i>Nortel Networks</i></p> <p>09:45 Successful Implementation of a True xWDM Network for Dublin, Ireland <i>ESB Telecoms / Lumentis</i></p>	<p><b>Session 3b: Applications &amp; Business Models for Enterprise Networking &amp; Services</b></p> <p>09:00 Welcome and Opening Remarks by the Chairman</p> <p>09:15 Solutions for Managed Services <i>Cisco and Colt</i></p> <p>09:45 Carrier Class Ethernet Connectivity Solutions <i>BT Global Services</i></p>
<b>10:00</b>	<p>10:15 Wavelength Selective Switches in a Dynamic and Remotely Reconfigurable Network <i>Capella Photonics</i></p> <p>10:45 Morning Coffee Break</p>	<p>10:15 Morning Coffee Break</p> <p>10:45 New Horizons for the Components Industry <i>ElectromCast</i></p>	<p>10:15 Morning Coffee Break</p> <p>10:45 New Horizons for the Components Industry <i>ElectromCast</i></p>	<p>10:15 Morning Coffee Break</p> <p>10:45 The Role of MPLS in Today's Enterprise <i>Nortel Networks</i></p>	
<b>11:00</b>	<p>11:15 The Role of Network Processors &amp; Framers in NG HW Platforms <i>Intel</i></p> <p>11:45 OTN and Next Generation SDH in Optical Core Networks <i>Marconi</i></p>	<p>11:15 Panel Discussion: Market Perspectives</p>	<p>11:15 Convergent Transport—Applications in Metro and Core <i>Alcatel</i></p> <p>11:45 Business Intelligence for Transport Network Operators (TNO) <i>NetworkMining and Belgacom International Carrier Services</i></p>	<p>11:15 Winning Strategies: Case Studies in VoIP <i>NetCentrex</i></p> <p>11:45 Concept, Elements and Benefits of OVPNs <i>Pandatel</i></p>	
<b>12:00</b>	<p>12:00 Intelligent Edge Networking <i>Cisco Systems Inc.</i></p>				
<b>14:00</b>	<p><b>12:15 Lunch Break / Visit of Exhibits</b></p> <p>14:15 ASON/GMPLS Control Planes <i>Siemens</i></p> <p>14:45 Management Aspects of ASTN/GMPLS Networks <i>T-Systems International</i></p>	<p><b>12:30 Lunch Break / Visit of Exhibits</b></p>	<p><b>12:15 Lunch Break / Visit of Exhibits</b></p> <p>14:15 The Impact of Fixed/Mobile Convergence and Strategies for Broadband Mobile Carriers <i>NetCentrex</i></p> <p>14:45 Challenges and Future of Next-Generation Networks: BMFT project EIBONE <i>Siemens</i></p>	<p><b>12:15 Lunch Break / Visit of Exhibits</b></p> <p><b>Session 3c: Network Study—Cost-effective Evolution of IP and Optics</b></p> <p>14:15 Introduction by the Chairman <i>Alcatel</i></p> <p>14:30 Presentations <i>Deutsche Telekom, Alcatel, Siemens, Tellabs and Lucent</i></p>	
<b>15:00</b>	<p>15:15 Measurement Solutions for GMPLS-enabled Layer 1 VPNs <i>Acterna</i></p> <p>15:45 Afternoon Coffee Break</p>	<p><b>Session 2: NG-Network Architectures &amp; Products</b></p> <p>15:00 Welcome and Opening Remarks by the Chairman <i>Roland Lerner's &amp; Associates</i></p> <p>15:15 Key Note (System Vendor): The Future is Wireless ... but with many strings attached <i>Siemens Communication</i></p> <p>15:45 Key Note (Network Operator): Key Elements of the NGN—Less is Better! <i>MCI Communications</i></p>	<p><b>Half-Day Tutorial T4: Polymer Fiber Applications, Ranging from In-house to the Access Network</b></p> <p>15:00 Welcome and Opening Remarks by the Chairman <i>Georg-Simon-Ohm University of Applied Sciences</i></p> <p>15:15 Presentation <i>University of Applied Sciences Georg-Simon-Ohm</i></p>	<p>15:15 Multi-Span Optical Amplifier Solutions to Deliver Lowest "Total Cost of Ownership." <i>OptoVia</i></p> <p>15:45 An Integrated Approach to Improve the Pre-sales Process <i>VPIsystems</i></p>	
<b>16:00</b>	<p>16:15 RPR: Technology, Compliance &amp; Interoperability <i>Agilent</i></p> <p>16:45 Ethernet as a Transport Technology: Technology, Standards and Deployment Options <i>Cisco Systems Inc.</i></p>	<p>16:15 Afternoon Coffee Break</p> <p>16:45 Innovative New Optical Network Architecture <i>Infinera</i></p>	<p>16:15 N.N. <i>Huawei</i></p> <p>16:45 Closing Remarks from the Chair</p>	<p>16:45 Summary</p>	
<b>17:00</b>	<p>17:15 Wrap-up <i>Marconi</i></p>	<p>17:15 Evolution of the Building Blocks of Dynamic Optical Networks ... "Cost is King" <i>CoreOptics</i></p> <p>17:45 Panel Discussion</p> <p>18:30 Closing remarks from the Chair</p>	<p>17:00 End of FiberComm Conference 2005</p>	<p>17:00 End of FiberComm Conference 2005</p>	
<b>18:00</b>	<p>18:00 Evening reception</p>				

## Why you shouldn't miss this event:

FiberComm Congress 2005 gives an overall, 360 degree assessment! FiberComm Conference 2005...

- ... represents the industry's most important international key players
- ... focuses on the latest market developments, industry analysis and business processes
- ... examines the latest advances in technology to understand trends and economics
- ... gives information as a basic prerequisite for anyone who wants to succeed now and in future

## FiberComm Conference addresses:

Decision makers and experts on the supplier and user sides of the market in the following areas:

- Carriers • Network operators/architects/planners • Utility companies • Large enterprises • Cable operators
- Manufacturers • System designers • Software and system suppliers • Corporate and business development • System integrators • Scientific researchers • Finance/Investment community • Analysts and consultants

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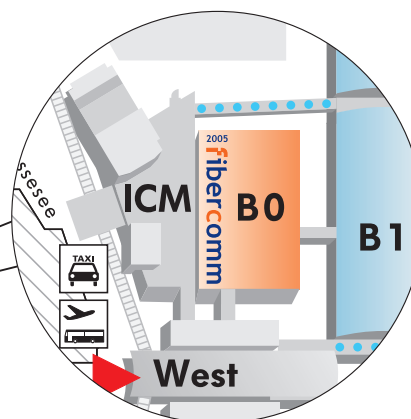
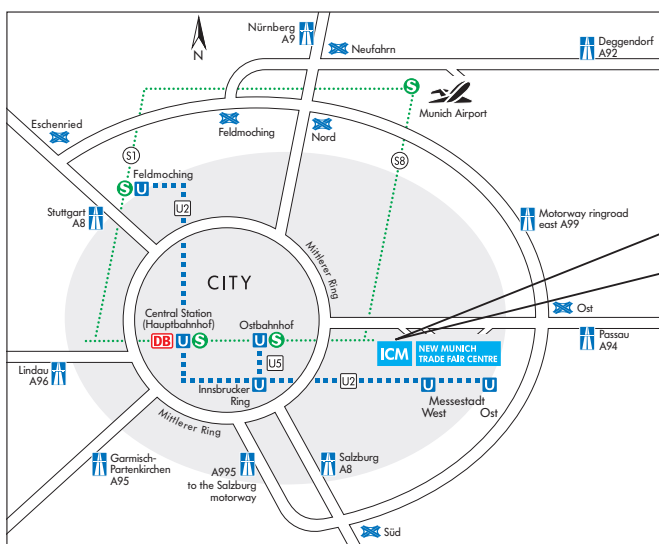
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- I am unable to attend. Please send me the conference proceedings for the price of EUR150 +16% VAT (delivery approx. 2 weeks after the conference).
- I am interesting in exhibiting/sponsorship opportunities.
- My address has changed. Please contact me.
- I have further questions. Please contact me.

## Yes, I will attend the FiberComm Conference:

Day	Title	until 30 April	after 30 April
<input type="checkbox"/> 13 June 05	1x1/2-day Tutorial	EUR 195	EUR 225
<input type="checkbox"/> 13 June 05	2x1/2-day Tutorial	EUR 310	EUR 360
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<input type="checkbox"/> 14 June 05	1 day only	EUR 310	EUR 360
<input type="checkbox"/> 14 June 05	1 day only (students)	EUR 100	EUR 150
<input type="checkbox"/> 15 June 05	1 day only	EUR 310	EUR 360
<input type="checkbox"/> 15 June 05	1 day only (students)	EUR 100	EUR 150
<input type="checkbox"/> June 14+15, 05	2 days	EUR 555	EUR 655
<input type="checkbox"/> Full Programme	3 days	EUR 695	EUR 795
<input type="checkbox"/> Full Programme (students)	3 days	EUR 150	EUR 195

16% VAT will be added.

## I will attend the following tutorials:

- 13 June 05 T1: Technologies the Optical Industry Will Need (2x1/2-day Tutorial)
- 13 June 05 T2: From the Edge to FTTx—Current View and Latest Innovations (1/2-day Tutorial)
- 13 June 05 T3: The AdvancedTCA Initiative Catching the Telecom-IT Convergence Wave (1/2-day Tutorial)
- 14 June 05 Session 1: Optical Market Insights & Perspectives
- 14 June 05 Session 2: NG-Network Architectures & Products
- 14 June 05 T4: Polymer Fiber Applications, Ranging from In-house to the Access Network (1/2-day Tutorial)
- 15 June 05 Session 3a: Applications & Business Models for Core and Metro Networks
- 15 June 05 Session 3b: Applications & Business Models for Enterprise Networking & Services
- 15 June 05 Session 3c: Network Study—Cost-effective Evolution of IP and Optics

### Registration

Internet [www.fibercomm.de](http://www.fibercomm.de)  
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 By mail Interplan AG  
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 Albert-Rosshaupter-Str. 65, 81369 München, Germany  
 (+49 89) 54 82 34-44

### Terms of Participation

Registration fees include participation in the conference sessions as booked, a printed copy of the conference proceedings, coffee breaks, lunch, evening reception and entrance to the trade fair.  
 Applications for the students rates must include a photocopy of an official student identity card, which must also be presented on-site when collecting registration materials.  
 Once your registration has been received, you will be sent a confirmation. Please note that you may cancel in writing to Interplan AG before May 16, 2005 and receive a 100% refund. Cancellations received later after May 16, 2005 are not eligible for any refunds. The organizer reserves the right to change the agenda on important reasons without prior notice.

### Organizer

Messe München GmbH

### Venue

ICM—International Congress Centre Munich  
 Messegelände, 81823 München, Germany

### For hotel booking please contact:

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### For information about attending, exhibiting or sponsoring please contact:

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