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de paris

25<sup>TH</sup>  
ANNIVERSARY

# MPLSSD&AINETWORLD

★ 9/11 APRIL 24

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## Towards New Architectures

The 25th Edition of the MPLS SD & AI Net World congress will stand in the Palais des Congrès de Paris from 9th to 11th of April 2024.

For 25 years now, the Congress have highlighted and explained the softwerization, disaggregation and cloudification processes.

### The Agenda: Network Performance, IPv6 Networks Only, AI/ML/Digital Twins

The 2024 edition will give a special highlight on network performance with a special focus on Integrated Performance Measurement. IPv6 only networks will also be given a large echo, through a debate and a rich set of service providers experience reports.

Other main sessions will cover AI/ML challenges and deployments, with a specific session on digital twins, 5G evolution, network programming and IP/Optical convergence.

## THE Global IP ASSEMBLY

### Looking forward to the future of the Internet Protocol

In overture of the Congress this year, "The Global IP Assembly" will gather some of the most renowned experts of the Industry. They will discuss aspects of what they see for IP going forward:

- Enhancements to IP
- Evolution of higher-level protocols above IP
- Intent Based Networking
- Automation/programmability
- Topology attestation : path validation, trusted networking
- Converging IP and Optical
- From Telco to Tech-co

### EANTC Multi-Vendor MPLS SDN Interoperability Test 2024

The EANTC will conduct a multi-Vendor Interoperability Test in February 2024 and will showcase the results during the Congress.

The 2024 test event will cover 5G transport networks implemented in mobile network fronthaul and backhaul, end-to-end transport network slicing, traffic engineering, and packet network synchronization.

Multiple transport domains such as WAN, data centers, metro edge, and microwave solutions will also be integrated. EANTC will focus on validating network stability solutions and implementation efficiency, which includes IP/Optical convergence and SRv6 Flex-Algo.

## QUANTUM NETWORKS

9&10 APRIL 2024

### Co-located with the Quantum Networks Summit

In parallel of the Congress, the Quantum Networks Summit will take place April 9th & 10th

A large session will be dedicated to Quantum Key Distribution systems proposed solutions.

Service providers will report their experiences while experts expose architecture and design principles, in particular applied to photonics networks.

[More information here](#)

Register Now!



# TUESDAY 9 APRIL MORNING CONFERENCE DAY ONE

- REGISTRATION AND WELCOME COFFEE FROM 07.45
- EXHIBITION OPEN FROM 09.00 TO 19.00
- LUNCH: 12.30 - 13.30
- WELCOME RECEPTION: 18.30

## DAY ONE **PLENARY SESSION** AUDITORIUM BORDEAUX

### THE GlobalIP ASSEMBLY

#### 08.30 Looking forward to the Future of the Internet Protocol

In overture of the Congress this year, "The Global IP Assembly" will gather some of the most renowned experts of the Industry. They will discuss aspects of what they see for IP going forward:

- Enhancements to IP
- Evolution of higher-level protocols above IP
- Intent Based Networking
- Automation/programmability
- Topology attestation: path validation, trusted networking
- APN6 and Next-Generation IP Network
- Converging IP and Optical
- After Automation: What?



**Joe Marsella**,  
Vice President, PLM –  
Routing & Switching,  
Ciena



**Zhenbin Li**,  
Chief IP Standard  
Representative,  
Huawei Technologies



**Colin Bannon**,  
CTO for Business  
BT



**Michael Beesley**,  
CTO SP Networking,  
Cisco



**Mirko Voltolini**,  
VP Innovation,  
Colt Technology



**Kireeti Kompella**,  
CTO PSD,  
Juniper Networks



**Wim Henderickx**,  
Head of Technology  
and IP Architecture  
Nokia



**Dr Diego R. Lopez**,  
Senior Technology  
Expert,  
Telefonica I+D



**Moderator  
Roy Chua**,  
Founder and Principal,  
AvidThink

10.45 Coffee/Exhibition/Interop Showcase/Networking

#### 11.15 KEYNOTES SESSION

11.15



**Zhenbin Li**, Chief IP Standard Representative,  
Huawei Technologies

11.30



**Michael Beesley**, CTO SP Networking,  
Cisco

11.45



**Gautam Billa**, Vice President, International Sales  
Engineering, Ciena

12.00



**Kireeti Kompella**, Juniper Networks

12.15



**Wim Henderickx**, Head of Technology and IP  
Architecture, Nokia

12.30 Lunch/Exhibition/Interop Showcase/Networking

- EXHIBITION OPEN FROM 09.00 TO 19.30
- END OF CONFERENCE: 18.15
- COCKTAIL RECEPTION: 18.30

## 14.00 OPENING SPEECH

14.00



**Roy Chua**, Founder and Principal at AvidThink

## 14.20 INTEGRATED PERFORMANCE MEASUREMENT SESSION

### 14.20 IPv6 uSID and Integrated Performance Measurement

The IPv6 uSID solution introduces an innovative measurement and analytic solution called Integrated Performance Measurement (IPM). Updating the audience on the latest evolutions of the IPv6 uSID solution and then focusing on the Integrated Performance Measurement.



**Clarence Filsfils**, Cisco Fellow

### 14.35 IPv6 uSID Integrated Performance Measurements: A Deployment Experience

Delving into the practical application and deployment of Integrated Performance Measurements. The data gathered paves the way for insightful analytics, enabling the use of AI for root cause identification and prediction.



**Michael Valentine**,  
Technology Fellow, Network Architecture,  
Goldman Sachs

### 14.50 Routing Correlated Analytics

Providing an update on the Routing Correlated Analytics, which integrates the performance measurement data and routing information, to provide a single pane of glass to monitor and troubleshoot the services. The Routing Correlated Analytics is enabled via different level of routing analytics covering both Topology and Path Analytics allowing to detect the issue and perform all different kinds of post-mortem analysis.



**Bart Janssens**, Senior Specialist Packet Architecture,  
Colt Technology Services

### 15.05 Design Experience of an IPv6 uSID Data Center

Presenting the intricate design experience of an IPv6 uSID Data Center. Exploring the challenges and innovative solutions encountered but also highlighting the transformative potential of this technology.



**Gyan Mishra**, Associate Fellow, Verizon

### 15.20 IPv6 SONiC Whitebox Readiness for uSID and IPM

Describing Alibaba's journey of building and deploying a whitebox router using SONiC in their new constructed backbone network, equipped with uSID and Integrated Performance Measurement.



**Eddie Ruan**, Senior Staff Engineer, Alibaba

## 15.35 INTEROP SHOWCASE HIGH-LIGHT

### 15.35 High-light Talk about the 2024 Interoperability Test and Showcase



**Carsten Rossenhoevel**, Managing Director,  
EANTC

15.50 Coffee/Exhibition/Interop Showcase/Networking



- EXHIBITION OPEN FROM 09.00 TO 19.30
- END OF CONFERENCE: 18.15
- COCKTAIL RECEPTION: 18.30

16.20 NETWORK PERFORMANCE SESSION

16.20 Safe Reinforcement Learning for Smart Load Balancers (Performance optimization/AI)

Describing a safe learning-based load balancing algorithm for Wide Area Networks(WAN) scenarios, which is empowered by Deep Reinforcement Learning (DRL) combined with a Control Barrier Function (CBF).



Jérémie Leguay, Chief Expert, Datacom R&D, Huawei Technologies

16.40 Monitoring SRv6 on-path delay with Network Anomaly Detection

Detailing how an Alternate Marking Method adds tracing capabilities into the IPv6 data plane, which IPFIX entities export SRv6 data dimensions, the on-path delay measurements and packet tracing dimensions and how this is applied to Network Anomaly Detection for monitoring L3 VPN connectivity services at scale in near real-time.



Wanting Du, Machine Learning Engineer, Swisscom

17.00 IPv6 ONLY NETWORKS PANEL

17.00



MODERATOR  
Latif Ladid, Founder & President, IPv6 Forum



Riccardo Burrai, CTO, Sirius



Tayeb Ben Meriem, IPv6 Enhanced Council Community and WBBA



Dr. Xing Li, CERNET2



Dr XiPeng Xiao, Head of Standard & Industry Development, Huawei Technologies



Eric Vyncke, Internet Area Director at IETF and Distinguished Engineer at Cisco



Jean-Charles Bisecco, Network Architect, Member of ARCEP IPv6 Taskforce

18.00



End of Conference Day One

18.30

Cocktail Reception

- REGISTRATION AND WELCOME COFFEE FROM 07.45
- EXHIBITION OPEN FROM 09.00 TO 18.00
- LUNCH: 12.30 - 13.30

## DAY TWO TRACK 1 AUDITORIUM BORDEAUX

### 09.00 AI & ML SESSION



**CHAIRMAN**  
**Amir Zmora**, CEO & Co-founder, flexiWAN

#### 09.00 Empowering IP Routers with a Generative AI Assistant

Describing a system built around Linux using a microservices architecture and open tools so that customers, third parties and our internal teams could innovate quickly and take advantage of advances like Generative AI when they occur.



**Michel Ploeg**, Product Line Manager, Nokia

#### 09.20 The Need for Scheduled Fabrics in AI/ML Networks

Scheduled fabric designs, a staple in modular chassis systems built by networking vendors over the years, are now being adapted to meet the unique requirements of AI/ML networks. Reviewing the evolution of these designs, the existing challenges, and how new technology is tackling them.



**Patrice Brissette**, Distinguished Engineer, Cisco

#### 09.40 AI for Routing

Applying AI in routing area could achieve route learning performance, network scalability, network O&M efficiency, network reliability, robustness and security. Even enhance collaboration between different network roles for better service experience.



**Guofeng Qian**, Metro IP Protocol Expert, Huawei Technologies

10.00 Coffee/Exhibition/Interop Showcase/Networking

#### 10.30 AIOps to Empower Network Operations and Automation

Presenting how service providers are turning to AIOps to deliver real-time and predictive insights into network behavior, to optimize provisioning, troubleshooting, and performance management of network services, and ultimately to automate network operations.



**John McKinnon**, Vice President of Software Engineering, Ciena

#### 10.50 Proactive Detection of Issues and Root Cause using AI in Large Scale Virtualized DCs

Describing the operational challenges around detection of application performance impacting issues, determining the root cause of these issues and resolving them in a large scale virtualized data center environment. Illustrating these challenges with real world examples.



**Rahul Aggarwal**, Founder & CEO, Augtera Networks

#### 11.10 Service Losslessness Guarantee System-based Large Model

Analyzing the current O&M efficiency pain points, combining the large model, digital twin, automatic closed-loop, and other technologies to build an intelligent virtual network O&M assistant, to help O&M staff in achieving the ultimate goal of active network O&M, rapid self-healing, and lossless service assurance to improve customer experience.



**Wu Zhengguang**, Marketing Director of NM&Controller, ZTE

#### 11.30 Silicon for AI Era Transport

Presenting the trends in LLM models, how they are partitioned, the traffic patterns between the GPUs and how it is different from the front-end traffic in data centers and how the fabric could be optimized to use these traffic patterns.



**Sharada Yeluri**, Senior Director of Engineering, Juniper Networks

### 11.50 AI/ML & NETWORKING AUTOMATION DEBATE

#### 11.50 What Data Governance and Security Measures are Essential when Implementing AI and ML in Networking Automation?



**MODERATOR**  
**Amir Zmora**, CEO & Co-founder, flexiWAN



**Sharada Yeluri**, Senior Director of Engineering, Juniper Networks



**Rahul Aggarwal**, Founder & CEO, Augtera



**Rajesh Mongia**, Associate Vice President, Tata Communications



**Yannick Chauvel**, Network Automation Regional PLM, Nokia



**Mirko Volotini**, VP Innovation, Colt Technology Services

12.20 Lunch/Exhibition/Interop Showcase/Networking

- REGISTRATION AND WELCOME COFFEE FROM 07.45
- EXHIBITION OPEN FROM 09.00 TO 18.00
- END OF THE CONFERENCE DAY TWO - TRACK 1 18.10

## 14.00 DIGITAL TWINS SESSION

### 14.00 Digital Twin for Telco Networks: A KPN Vision for 2030

Describing KPN's architectural framework. Discussing AI examples and projects the teams are working on. Highlighting feasible steps you can take today.



**Denice Tuinhof**, Senior AI Architect, KPN

### 14.20 Simplifying Network Digital Twins with Gen AI

Explaining how generative AI opens up possibilities for the creation of interactive virtual environments where control techniques like reinforcement learning (RL) algorithms could be trained and tested, alleviating the risk of unsafe explorations in the real network. Such an

RL algorithm, once trained in the digital twin, can be migrated to the real network and deliver optimal performance.



**Subhankar Pal**,  
Global Innovation Leader – Intelligent Networks, Capgemini

## 14.40 EDGE SESSION

### 14.40 From Telco to TechCo



**Dave Ward**, CTO, Lumen

### 15.00 "The Enemy within": Securing the Broadband Edge by Mitigating DDoS Attacks

Delving into the escalating challenge of securing the universal broadband residential edge, a critical frontier in the battle against botnet distributed denial of service (DDoS) attacks. These attacks pose a significant threat not only to other subscribers but also to enterprise customers and external networks.



**Jerome Meyer**, Security Researcher, Nokia

### 15.20 Unleashing the edge advantage

Evolving the IP Service Edge with new disruptive networking technologies, including Control and User Plane Separation (CUPS), virtualization and disaggregation, to deliver never before imagined use cases.



**Jan Straznicky**, Senior Director, Product Line Management, Ciena

### 15.40 Coffee/Exhibition/Interop Showcase/Networking

### 16.10 Bell Canada: Enabling the Telco Edge

Discussing how an open, declarative, zero touch model accelerates development, and commoditize deployments of a horizontal cloud tailored for a telco's Multi-Access Edge Compute (MEC) across the vast expanse of Canada, and beyond.



**Dan Bernier**, Technical Director, Bell Canada



**Kashif Islam**, Principal Telco Architect, Red Hat

### 16.30 Monetizing Edge Cloud Services

Outlining how business drivers can be addressed and providing examples of priority edge cloud use cases and deployment architectures.



**Michael Heffner**, General Manager Business Solutions, Adtran

## 16.50 MANAGEMENT & ORCHESTRATION SESSION

### 16.50 Applying AI in Telecom Network Management

How to measure quality and effectiveness of intelligence in telecom networks for service assurance and fault management : diving into the effectiveness of AI when compared with human intelligence in mastering the stochastic nature of telecom networks.



**Taras Matselyukh**, CEO & Founder, OPT/NET

### 17.10 Netconf Vs CLI: Performance and Feedback

Dealing with the power of Netconf using a real use case of an ISP: migrating an OLT from one port to another port of another router with all the services. This benchmark of Netconf vs CLI is the occasion to give some feedback on the Netconf interoperability between a Cisco tool and a Nokia Router in an ISP production ecosystem.



**Etienne Roux**, IP Network Engineer, Orange

### 17.30 Digital Network Map for Intent Conflict Resolution

Describing the importance of modeling the Digital Map the right way, for the closed loop. Covering the latest development, in the industry and in particular at the IETF.



**Benoit Claise**, Intelligent Operations & Management CTO, Huawei

### 17.50 Service Assurance: The Hardest Simple Thing

Evaluating the relevant protocols (e.g. SNMP, YANG, openconfig, Y.1731, Y.1564, RFC8762, etc) and deployment models (centralized vs distributed, embedded vs. external) in order to identify the most effective way to answer the hard questions of service assurance.



**Shelly Cadora**, Principal Technical Marketing Engineer, Cisco



**Christian Schmutzer**, Distinguished Engineer, Cisco

### 18.10 Sustainability as an Opportunity

Sustainability is a challenge for us all but for those involved in networking, is it an opportunity or a business burden? In addition to the very visible hand of regulation, we are also exposed to ever more stringent sustainability requirements in new projects.

Discussing what is being done today and what are the more far reaching aspects we are considering.



**Neil McRae**, Chief Network Strategist, Juniper Networks

18.30 End of Conference Day Two - Track 1

- REGISTRATION AND WELCOME COFFEE FROM 07.45
- EXHIBITION OPEN FROM 09.00 TO 18.00
- LUNCH: 12.30 - 13.30

## DAY TWO TRACK 2 AUDITORIUM HAVANE

### 09.00 SR/SRV6 SESSION



**MORNING CHAIRMAN**  
**Carsten Rossenhoevel**, Managing Director, EANTC

#### 09.00 How Far is the SRv6 Industry? What's Next?

Giving an in-depth look at the current state of SRv6, based on a recent global Service Provider survey feedback. Delving into insights on SRv6 architectural preferences expected to be deployed and discussing the role that emerging SRv6 technologies will play in the industry's next phase.



**Jahanzeb Baqai**, Director, Product Line Management, Ciena

#### 09.20 SSRv6 support in the ASIC: Design Approaches and Challenges

Experiences on implementing the latest SRv6 forwarding features in the ASIC. Covering some of the challenging aspects of the hardware implementation, how SRv6 is different from other transports such as MPLS, the tradeoffs and the implementation choices.



**Krzysztof Grzegorz Szarkowicz**, Juniper Networks



**Nancy Shaw**, Principal Engineer, Juniper Networks

#### 09.40 Emerging Role of SRv6 in Network Deployments

Experiments are being conducted to extend the role of SRv6 to more advanced applications such as TE, 5G slices, load-balancing, and service chaining. Explaining how the introduction of MPLS/SRv6 gateways at strategic locations decouples edge and offers a scalable and controlled introduction of new SRv6 backhaul.



**Mustapha Aissaoui**, Product Line Manager, IP Networks Division, Nokia

10.00 Coffee/Exhibition/Interop Showcase/Networking

#### 10.30 Design and Construction Practice of an IPv6 Private Network Solution Design and Practice

Introducing a private network using SRv6 to provide fast service provisioning capabilities. Through network slicing, the private network provides one network and multiple planes to carry different services of different industries, achieving cost-effective, secure isolation, and high-quality differentiated service assurance.



**Minwei Jin**, Chief Expert of Metro Router Solution, Huawei Technologies

#### 10.50 Cloud Ran Low Latency Fronthaul with SRv6

Exploring in detail the Cloud RAN Anyhaul design and specifically fronthaul design with segment routing technology. Discussing the needed technologies to allow building a single true multi-service and multi-slice fronthaul which can be used to transport latency-sensitive fronthaul traffic and other non-latency-critical applications.



**Paul Meyers**, Senior Product Line Manager, Nokia

### 11.10 SRv6 SPs DEPLOYMENTS SESSION

#### 11.10 Record-Speed Global SRv6 Hyperscale Deployment with SRv6 Compression

SRv6 has been standardized in IETF, and has been deploying in many networks around the world. Introducing China Mobile implementation of SRv6 with Compression, and the record-speed global SRv6 hyperscale Deployment.



**Weiqiang Cheng**, Chief Architect of IP Network, China Mobile Research Institute

#### 11.30 BT: Making Programming SR Policies Easier for the Applications

The current PCEP and BGP-SR TE APIs need the controller to implement protocol stacks and the associated laborious encoding, decoding, and serialization. Explaining how the gRPC APIs make programming SR policies easier for the applications.



**Alex Bogdanov**, Distinguished Engineer & Principal Architect, BT Group

#### 11.50 Softbank: SRv6 MUP Progress

Demonstrating how Mobile User Plane (MUP) architecture enables operator's SRv6 networks to integrate 5G user plane and IP transport for E2E network slicing and edge computing.



**Satoru Matsushima**, Softbank

#### 12.10 Sirius: Live Testing for a Production Backbone in full SRv6

Describing an ISP full IPv6 backbone with SRv6 Technologies and a full interoperability with other brand (ISISv6 and SRv6 BE and or now SRv6 TE).



**Riccardo Burrari**, CTO, Sirius

12.30 Lunch/Exhibition/Interop Showcase/Networking



- REGISTRATION AND WELCOME COFFEE FROM 07.45
- EXHIBITION OPEN FROM 09.00 TO 18.00
- END OF THE CONFERENCE DAY TWO - TRACK 2 17.50

## 14.00 5G EVOLUTION SESSION



**AFTERNOON CHAIRMAN**  
**Roland Thienpont**, Director IP Division Product Marketing at Nokia

### 14.00 Let's Delay 6G and Focus on 5G Advanced

Challenging the hype-driven rush towards 6G and looking at the journey and value 5G still has to deliver. Questioning the need for another rapid generational and costly upgrade cycle rather than continued incremental releases that cost efficiently unlock real business, market and customer value.



**Stephen Douglas**,  
Head of Market Strategy, Spirent, Working Group Advisory Member, UKTIN

### 14.20 5.5G Ready Bearer Network Requirements and Solutions

Focusing on the requirements and features of 5.5G bearer networks. Discussing the evolution trend of bearer network technologies from the aspects of green ultra-broadband, ubiquitous access, multi-service converged bearing, new service experience assurance, high reliability and high precision ground time synchronization and low-open intelligent O&M.



**Xu Huan**, VP of Data Communication Product Line Router Domain, Huawei

### 14.40 Ensuring Robust Ethernet xHaul Transport Infrastructure for 5G/6G

Overview of Ethernet xhaul transport architecture and deployment scenarios. Key requirements and challenges.



Areas of validation focuses (bounded latency, synchronization, real-world condition, slicing, etc.) and test methodology. Plugfest observation and learning, suggested best practice.

**Speaker** from  
Keysight

### 15.00 Precise Synchronization for 5G-Advanced and 6G

Describing the PRTC-B ITU-T specifications which have become imperative to address the exacting demands of precise synchronization in the context of 5G-Advanced and the prospective use-cases envisioned for further technologies such as 6G.



**Dennis Hagarty**, Principal Technical Marketing Engineer, Data Center and Provider Connectivity Group, Cisco

### 15.20 5G and the Edge: Easy Operations for Resilient Sync/timing on Mobile Networks

Making it easy to see what's going on: operating and troubleshooting workflows for typical mobile transport sync/timing distribution trees including such features as G.8275.1/2 profile interworking APTS and multi-grandmaster resilience.



**Robert Friskney**, Director of Product Line Management, Ciena

15.40 Coffee/Exhibition/Interop Showcase/Networking

### 16.10 5G SA and IP Optical Transport Networks for Rail: (R) Evolution to FRMCS

Defining how and why FRMCS will replace GSM-R in one giant leap from 2G to 5G SA, and why this needs a service aware IP Optical network and advanced solutions for fronthaul, backhaul, timing and virtualization to deliver what is a first large-scale, mission-critical, and interoperable implementation of Standalone (SA) 5G.



**Elea Siegele**, Solution Consultant, Ribbon

### 16.30 ETSI SDGs: Software Driven Standardization for Software Driven Networks

Providing an overview of ETSI Software Development Groups, their role in supporting standardization, how they operate, the software they develop, and how to create a new SDG.



**Silvia Almagia**, Director of Software and Standards, ETSI

## 16.50 NETWORK PROGRAMMING SESSION

### 16.50 Practical Approach to Automation using Transport SDN Controller in Programmable Networks

Explaining the power of SDN with controller based intelligent path calculation along with programmable network devices and using an implementation of such controller. The benefits are explored that result from newer fine grained Transport services leveraging SR-MPLS, SRv6 and pervasive Traffic engineering as well as innovations such as SR IGP Flexalgo and SR Circuit Style services.



**Krishnan Thirukonda**, Principal Engineer, Cisco

### 17.10 IPv6 Network Slicing

Introducing the overall architecture of IPv6 network slicing, the key technologies and extensions in different network planes, and the latest progress in standardization. Detailing experiences on IPv6 network slice deployments in different industries.



**Jie Dong**, Senior IP Standards Representative, Huawei

### 17.30 BIER: A Revolutionary and The Best Multicast Technology for SR Networks

Bit Index Explicit Replication (BIER) is a new multicast technology that allows efficient replication without incurring per-flow/tunnel state on the transit nodes. Focusing on how BIER works, its architecture, IETF status and industry readiness.



**Jeffrey (Zhao) Zhang**, Distinguished Engineer, Juniper Networks

17.50 End of Conference Day Two - Track 2

- Registration and welcome coffee from 07.45
- Exhibition open from 09.00 to 16.00
- Lunch: 12.30 - 14.00

## DAY THREE PLENARY SESSION AUDITORIUM BORDEAUX

### 09.00 IP/OPTICAL CONVERGENCE SESSION

#### 09.00 Purpose-Built Routers for IP/Optical Convergence

As the industry moves towards new architectures, examining lessons learned from disruptive designs and what alternatives are available for the multi-layer future.



**James Glover**, Director, Product Line Management, Ciena

#### 09.20 Adaptive Networking

If the IP and optical layers collaborate, it is possible to use higher performing optical connections, knowing that the IP layer will be able to redirect some of the traffic should the optical layer require reducing the capacity in the future. This innovative concept is called Adaptive Networking, and it provides many additional advantages.



**Ori Gerstel**, CTO for Routed Optical Networking, Cisco

#### 09.40 IP/Optical Convergence: From Technology to Deployments

Discussing the coherent routing concept which combines innovations in IP routing silicon and systems with high-density pluggable coherent interface optics and compact optical line systems to create faster and more efficient IP transport solutions for 400 Gb/s, 800Gb/s and up.



**Bruno De Troch**, Director of EMEA PLM IP Routing, Nokia

10.00 Coffee/Exhibition/Interop Showcase/Networking

#### 10.30 Blackhole Detection in Packet Networks

Discussing blackhole detection in packet networks. Such blackholes are typically difficult to detect, and even working out on which router the blackhole is occurring can be difficult. Describing two methods for detecting blackholes: indirect detection and direct detection.



**Julian Lucek**, Juniper Networks

#### 10.50 Control and Management of IP/optical Converged Networks with Coherent Pluggables

Enabling IP/optical convergence requires seamless interoperability between routers and coherent pluggables from diverse vendors. This involves not only internal communication between pluggables and host router but also external communication with IP, optical, and higher-layer controllers. Sharing insights in achieving this interop, including IETF and OIF activities.



**Reza Rokui**, Senior Director of Product Line Management, Ciena

### 11.10 EVPN SESSION

#### 11.10 EVPN OAM: Ping, BFD, and beyond

EVPN is an umbrella for various VPN variants unified by using BGP as their respective control plane. Presenting the progress of standardization of the EVPN OAM enhancements and the use cases that benefit from proactive defect detection using BFD.



**Greg Mirsky**, Technology Specialist, Standardization, Ericsson

#### 11.30 EVPN Innovations for Internet Exchange Providers

Analysing the key issues that IXPs are facing in their switching fabrics, and how EVPN solves those issues by applying innovations described in RFC9161, RFC9047 and the latest extensions in other standards.



**Dr Thomas King**, Chief Technical Officer, DE-CIX



**Siegfried Droogmans**, Network Consulting Engineer, Nokia

12.00 Lunch/Exhibition/Interop Showcase/Networking

16.00 End of the 25th Edition



MPLSSD&AI NET WORLD  
★ 9/11 APRIL 24

25TH EDITION

palais des congrès  
de paris

Don't forget to come and relax after a hard and profitable day, with the end of play cocktail on **Tuesday 9th April**.

After the last session, come and enjoy a glass of champagne while networking casually in a relax atmosphere, with our experts, peers and fellow colleagues.

We are looking forward to seeing you there !





## ■ EANTC ■

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Participating companies



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## MPLS SD & AI Net World Congress 2024

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At the event reception desk.

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### STUDENTS/ACADEMICS/ANALYSTS

Special registration fees might be applicable. please email us

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### CANCELLATION POLICIES

Substitution of delegates is permitted at any time and at no extra charge.

Cancellation of a delegate's registration more than 30 days before the event: 100% refund of the registration fees.

Cancellation of a delegate's registration 30 days or less, but more than 14 days, before the event: 80% refund of the registration fees.

Cancellation of a delegate's registration 14 days or less before the event: no refund;

All notice of cancellation must be received in writing via email to [contact@uppersideconferences.com](mailto:contact@uppersideconferences.com).

### CONFERENCE PROGRAMME MODIFICATIONS

Upperside reserves the right to make any necessary changes to the program. Every effort will be made to keep presentations and speakers as represented. However, unforeseen circumstances may result in the substitution of a presentation topic or a speaker.

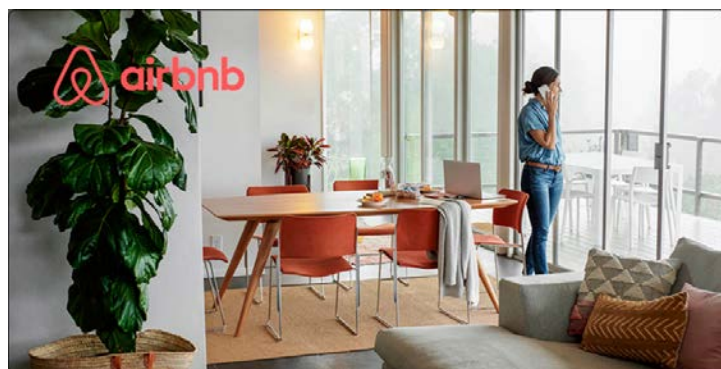
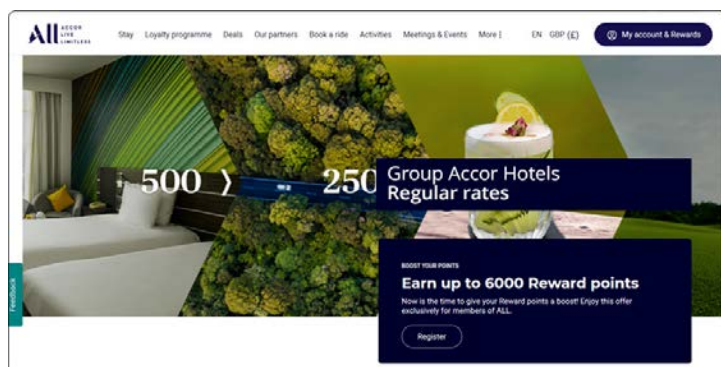
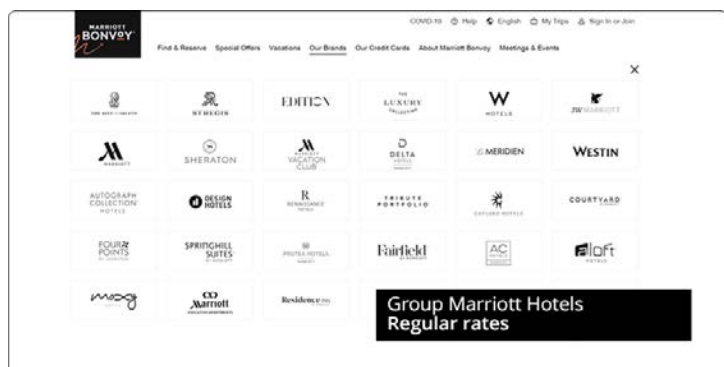
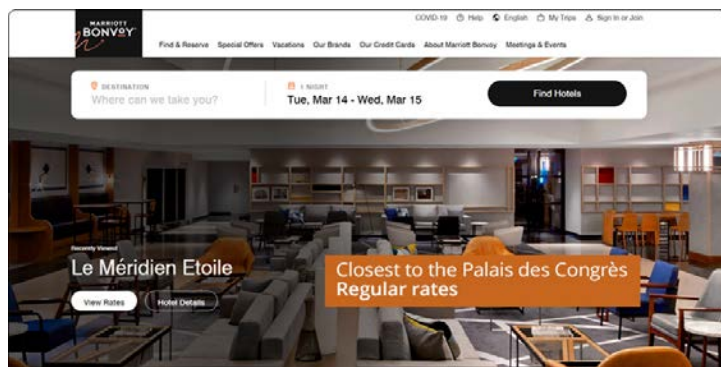
Delegate registration will be 100% refunded if the conference is cancelled by the organizer.

**Our room block at a special rate at the Hyatt Regency Etoile is sold out.**

Please find below a selection of neighboring hotels and booking platforms in order for you to find a hotel close to the Palais des Congrès.

The Palais des Congrès de Paris is situated in the 17th arrondissement of Paris (West) and is easily accessible by the ligne 1 of the Tube, and of course by cab or Uber.

Click on the pictures to access the online booking platforms



## Palais des Congrès de Paris. 2 Place de la Porte Maillot. 75017 Paris

Metro Line 1, Porte Maillot Station - Exit 3

RER Line C, Neuilly-Porte Maillot Station  
BUS Lines 43 73 82 244 PC

Taxi from Airports  
From Roissy - Paris - Charles de Gaulle: Flat rate: €55. From Orly: Flat rate: €41  
approximately 35 minutes to an hour, depending on traffic

Parking: Indigo Porte Maillot Car Park

