



MPLS & SRV6 AINET WORLD ★ PARIS 2025

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MPLS & SRv6 AI NET WORLD

★ 25/27 MAR 25

Revisiting Network Design

The 2025 edition of MPLS & SRv6 AI Net World Congress will stand from the 25th to 27th March at the Palais des Congrès de Paris.

AI Impact on Networking, SRv6 Deployments

The 2025 conference programme will mainly address AI & ML impact on current infrastructures and services. Experts will discuss Intelligent computing networks, digital twins, software engineering and automation aspects.

A large part will be dedicated to IPv6 networks and SRv6 deployments : inter-cluster connectivity, deterministic path placement, IPM hardware connectivity and other crucial evolutions.

Other sessions will cover IP/optical networks, routing issues, 5G/6G & the edge, latency and security.

THE Global IP ASSEMBLY

Redefining the Network Design for 2030

In overture of the Congress, "The Global IP Assembly" will welcome some of the most renowned experts from **telecom service providers**. They will discuss aspects of what they see for IP going forward:

- API-fication, disaggregation, programmability
- Impact of AI training, AI inference, large multimodal dataset movement, hybrid clouds
- Managing complexity: multi domains, multi layers, multi technologies
- Quantum and classical networks

EANTC Multi-Vendor MPLS SDN Interoperability Test 2025

The Multi-Vendor MPLS & SDN Interoperability Test Event 2025 will cover multi-vendor interoperability of transport network services for cloud data centers and fixed and mobile networks. The testing will occur in Berlin from February 17 to February 28, 2025.

Test areas will include advanced EVPN enterprise service support, inter-domain connectivity solutions for data center interconnection (DCI), disaggregated Open RAN (O-RAN) fronthaul scenarios, 5G backhaul, end-to-end slicing, and Segment routing (SRv6). Traffic engineering and new FlexAlgo policies will also be covered, including opportunities to reduce energy consumption by intelligent traffic steering.

The test results will be published and presented live at the MPLS & SRv6 AI Net World Paris Congress from March 25 to 27, 2025. EANTC's showcase is a well-established event that benefits vendors and provides a unique ecosystem for fostering collaboration and innovation in the most advanced network scenarios. EANTC ensures a comprehensive testing environment tailored to service providers' needs.

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QUANTUM NETWORKS
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PLENARY SESSION AUDITORIUM BORDEAUX

08.00 Registration & Coffee

09.00 OPENING ADDRESS



Roy Chua, Founder & Principal,
AvidThink

09.15 THE GlobalIPASSEMBLY

Redefining the Network Design for 2030

In overture of the Congress, **The Global IP Assembly** gathers some of the most renowned experts from **Telecom Service Providers**. They discuss aspects of what they see for IP going forward

- API-fication, disaggregation, programmability
- Increasing value and decreasing costs: what strategies are needed, what technologies can help (AIOps, virtualization, white box). Does SRv6 help?
- Big, bigger, biggest data: impact of AI training, AI inference, large multimodal dataset movement, hybrid clouds
- Managing complexity: multi domains, multi layers, multi technologies — how to manage, troubleshoot?
- Quantum and classical networks: interplay and considerations - is it too early or is the time now?



Mirko Voltolini
VP Innovation
Colt Technology



Diego Lopez
Senior Technology
Expert
Telefonica



Bruno Decraene
Network IP/MPLS
R&D Engineer
Orange



Gyan Mishra
IT Technologist &
Innovations
Verizon



Satoru Matsushima
Technical Meister
SoftBank



Eduard Metz
Network Architect
KPN



Moderator
Roy Chua
Founder & Principal
AvidThink

10.15 Coffee/Exhibition/Interop Showcase/Networking

10.45 KEYNOTES SESSION

10.45



Zhenbin Li, Chief IP Standard Representative,
Huawei Technologies

11.00



Jürgen Hatheier, International CTO,
Ciena

11.15



Kireeti Kompella, Juniper Networks

11.30



Michael Beesley, CTO SP Networking,
Cisco

11.45



Wim Henderickx, Head of Technology and IP
Architecture, Nokia

12.00 Lunch/Exhibition/Interop Showcase/Networking

14.00 AI/ML

14.00 AI Infrastructures and the Critical Role of Networking

Reviewing the role of networking for AI infrastructures and showing case industry examples related to this critical area of evolution.



Michel Ploeg, PLM Manager Data Center, Nokia

14.15 The Impact of AI on Software Engineering

Networking enterprises are not only leveraging AI technologies in their products, for the benefit of their customers, but are also transforming their own internal processes. Describing a first-hand experience with adopting AI for software engineering – including its potential and pitfalls.



John McKinnon,
Vice President, Software Engineering R&D,
Ciena

14.30 Using BGP as the Routing Protocol in the CLOS Networks to Achieve GLB

The rapid growth of Artificial Intelligence (AI) and Machine Learning (ML) workloads is driving the demand for low latency, low loss, and resilient network fabrics to connect the GPU servers. Global Load Balancing (GLB) for AI/ML fabrics can help to avoid congestions end-to-end which cannot be achieved by traditional load balancing techniques such as random hashing, dynamic load balancing, etc.



Kevin Wang,
Distinguished Engineer,
Juniper Networks

14.45 Ethernet/IP based Network for AI Backend and Frontend Network based on SONiC

Providing an overview of the different types of ethernet-based networks for AI and their respective challenges. Evaluating how existing ethernet/IP principals and evolution are used. Covering how SONiC plays important role in AL backend and frontend network.



Jiri Chaloupka,
Principal Engineer,
Cisco

15.00 Gen AI based Operations for VoLTE and VoNR

Sharing experiences of building a Gen AI based assistant for VoLTE and VoNR operations. Discussing the closed loop automation models and their role with predictive and Gen AI to build autonomous operations of mobile voice.



Azhar Sayeed,
CTO, ng-voice

15.15 Scaling Automation with Next Generation Autonomous Agents

GenAI powered autonomous agents are the key building block. Explaining what they are, how they can be used, real use cases, and how they truly enable a solid path towards the Autonomous Network implementation.



Javier Antich,
Product Manager, Cisco

15.30 Intelligent Computing Network Requirements and Network Construction Standards

Describing a high-throughput and lossless high-elastic intelligent computing network for consumer services and enterprise AI applications.



Wu Qin,
Network Architect,
Huawei Data Comm

15.45 2025 INTEROPERABILITY TEST & SHOWCASE

15.45 High-light Talk about the 2025 Interoperability Test and Showcase



Carsten Rossenhoel,
Managing Director,
EANTC

16.00 Coffee/Exhibition/Interop Showcase/Networking

16.30 DIGITAL TWINS

16.30 Realizing an IP/MPLS Network Digital Twin

Exploring an innovative, real-world IP/MPLS network digital twin use case that empowers service providers to improve network planning speed and efficiency by enabling “what-if” scenarios to determine how various changes would impact network performance.



Bill Kaufmann,
Director of Product Management, Assurance and Analytics,
Blue Planet

16.45 Self-Driving Networks: True Closed Loop and the Network Digital Twin

As a leading Canadian telecom provider, Telus is transforming the network and control software to be self-healing, self-configuring, self-organizing, and self-optimizing, ultimately achieving autonomy.



Ali Tizghadam,
TELUS Fellow

17.00 Integration of Network Digital Twins and Advanced AI Models: High-Order Autonomous Networks

Examining how the combination of network digital twins and large-scale AI models can enhance network management. By making it more adaptive and intelligent, this approach facilitates higher-level decision-making compared to traditional network modeling methods.



Speaker from Huawei Technologies

17.15 PANEL AI OPS & GENAI FOR TELCOS

17.15 AI Ops & GenAI for Telcos



Moderator
Azhar Sayeed,
CTO, ng-voice

18.00  End of the Conference Day One

18.45  Cocktail

Don't forget to come and relax after a hard and profitable day, with the end of play cocktail on **Tuesday 25th March**.

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 !



08.00 Registration & Coffee

09.00 SRv6



Morning Chairman
Carsten Rossenhoevel,
Managing Director,
EANTC

09.00 Focusing on the Key Distinctions between SRv6 and SR-MPLS

Limitations of IPv4 addressing and how IPv6 lays a strong foundation for a more simpler network operation. Practical aspects of SRv6 deployment, examining the different paths of greenfield deployments and complex brownfield environments.



Juan Rodriguez,
Senior Sales Engineer,
DriveNets

09.15 Accelerated IPv6 & SRv6 Deployment and Better Performance

IPv6 has a lower average delay than IPv4, and the difference is growing from the end user's point of view. This IPv6 modification is historic. An increasingly significant benefit for businesses that prioritize user experience is IPv6 deployment.



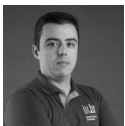
Li Cheng,
Senior IP Standards Representative,
Huawei Technologies

09.30 IX.br: The Evolution to SRv6 and EVPN in the Largest IXP in the World

IX.br is making significant progress in evolving its network infrastructure by incorporating and deploying advanced technologies such as EVPN (Ethernet VPN) and SRv6 (Segment Routing over IPv6).



Diego Achaval,
Product Line Manager,
Nokia



Fabio Pessoa Nunes,
Network Architect,
IX.br

09.45 SRv6 Migration Challenges

MPLS to SRv6 migration process can be very challenging. For example, equipment vendors typically provide SRv6 support for IS-IS only, which implies additional IGP migration, when existing IGP is OSPF. Another challenge is migration of Layer 2 services, like E-Line or E-LAN, implemented using legacy Layer 2 technologies, like LDP based Layer 2 circuits or VPLS (Virtual Private LAN Service). Again, equipment vendors typically provide SRv6 support for Layer 2 services based on EVPN (Ethernet Virtual Private Network).



Krzysztof Grzegorz Szarkowicz,
AWAN PLM, Solutions Architect, Juniper Networks

10.00 Traffic Engineering: Centralized, Distributed, or Hybrid?

As Service Provider network infrastructure evolution towards unified Segment Routing transport continues worldwide, is there a common deployment model? Exploring three models: centralized with SR-TE, distributed with Flex-Algo and a hybrid approach. Practical SR-MPLS / SRv6 design tradeoffs will also be discussed, with an emphasis on learnings from worldwide deployments.



Jan Straznicky,
Senior Director, Product Line Management, Ciena

10.15 Intelligent Network Analysis System Based on IFIT and SRv6

Describing the overall framework defined in the IETF to cover all aspects related to the data plane, control plane, and data analysis, and providing guidance for implementation and deployment. It will work with Swisscom to introduce the integration of IFIT technology with network analysis tools.



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

10.30 Coffee/Exhibition/Interop Showcase/Networking

11.00 SRv6 & AI USE CASES PANEL

11.00 SRv6 and AI Use Cases

- AI training backends with SRv6 deterministic path placement
- Enhancing AI inter-clusqter connectivity
- End-to-end SRv6 from cloud front-end to egress internet peering
- IPM hardware connectivity
- From hardware to NaaS
- TITAN Swisscom network design
- Circuit-style services for deterministic networking
- SRv6 MUP progress and update



Clarence Filsfils,
Cisco Fellow



Akash Agrawal,
Technical Director,
Rakuten



Michael Valentine,
Technology Fellow, Network Architecture,
Goldman Sachs



Satoru Matsushima,
Technical Meister,
SoftBank



Bart Janssens,
Senior Specialist Packet Architecture,
Colt Technology



Gyan Mishra,
Associate Fellow,
Verizon

12.00 Lunch/Exhibition/Interop Showcase/Networking

14.00 IPv6 NETWORKS



Afternoon Chairman
Roland Thienpont,
Director IP Division Product Marketing,
Nokia

14.00 IPv6 Forum introduction

Discussing simplified network operations/scalability/enhanced network Efficiency/cost efficiency/service innovation/mobility and 5G benefits (specific to MNOs)/high availability and resilience.



Latif Ladid,
President, IPv6 Forum

14.15 IPv6 Enhancement for New Innovations in AI Networks

Covering the most recent advancements in IPv6 enhancement technologies and their impact on various AI network application scenarios. Introducing the related new innovations.



Xiao Xipeng,
Head of Datacom Standard & Industry Development (SID),
Huawei Europe

14.30 IPv6 Unlocked: Real-World CSP Deployments with MAP-T

Focusing on the implementation of IPv6 using Mapping of Address and Port with Translation (MAP-T) solutions, highlighting real-world deployment experiences from tier-1 CSPs that have successfully navigated this transition. MAP-T enables CSPs to extend their IPv4 services while paving the way for IPv6 integration, offering a hybrid approach that balances immediate operational needs with future requirements.



Juan P Rodriguez,
Sr Director, IP Consulting Engineering, IP Networks,
Nokia

14.45 IP/OPTICAL

14.45 Beyond Mere Convergence, Can We Achieve IP/Optical Harmony?

Exploring real-world experience and use cases for seamless integration of IP routing with coherent DWDM, delivering higher performance with operational simplicity — including lessons learned and how to prepare for 800G coherent optics and beyond.



Rafael Francis,
Senior Director, Product Line Management,
Ciena

15.00 Managing IP+Optical Networks with Open Standards and Open Models

Covering the standards work related to managing IP+Optical networks with ZR/ZR+ digital coherent optics and delivering real world examples illustrating provisioning and assurance of end-to-end multi-layer services utilizing DCO using open and standards-based methods.



Phil Bedard,
Distinguished TME, Cisco

15.15 IP/Optical Convergence: From Technology to Deployments

Starting with an overview of today's technology and its evolution path. Then discussing the practicalities and some relevant deployments, and the lessons learned.



Bruno de Troch,
Director of EMEA PLM IP Routing, Nokia

15.30 Coffee/Exhibition/Interop Showcase/Networking

16.00 How to Build an Efficient IP/Optical Network?

Exploring solution innovations, including novel system design to enable full density of coherent pluggables. Presenting field experience of Service Providers and Enterprises deploying IPoDWDM with 400G-ZR/ZR+ and for the first time 800G-ZR/ZR+ pluggables.



Moran Roth,
Director, Product Management, Juniper Networks

16.15 IP/Optical Convergence in a World of Multi-Vendor Pluggable Optics

Detailing our experience in overcoming varied OpenConfig YANG router implementations to achieve successful end-to-end wavelength management at the optical layer pluggable-to-pluggable, simplifying converged network operations.



Robert Friskney,
Director, Product Line Management, Ciena

16.30 MEF SESSION

16.30 Introduction

16.40 Panel with MEF Enterprise Council Members



Moderator
Roy Chua,
Founder & Principal, AvidThink

18.00 End of the Conference Day Two

08.00 Registration & Coffee

09.00 ROUTING



Chairman
Amir Zmora,
CEO & Co-founder, flexiWAN

09.00 Network Design Challenges for a Robust and Sustainable Router Introduction

Introducing a new router on the network is a challenge in a sustainable network. Exploring the complexity of the network design when taking into account the sustainability criterias in the choice of the router.



Etienne Roux,
IP Network Engineer, Orange

09.15 Power Saving Techniques in Packet Networks

Examining the state-of-art in terms of reducing power consumption of individual components within a router, and powering down unused components automatically. We then take a network-wide viewpoint and describe advanced traffic-engineering techniques to route traffic in a power-efficient manner across the network.



Julian Lucek,
Senior Distinguished Systems Engineer,
Juniper Networks

09.30 Hyperscale Routing in the AI Era

What is meant by Hyperscale routing? What attributes make a router a good fit for this space? Is there a role for optical switching? This presentation explores the use routing and optical switching for AI traffic patterns.



Gary Swinkels,
Distinguished Architect, Ciena

09.45 IP FIB Implementation in ASIC

FIB in the data plane needs to meet performance, scale and work seamlessly during changes. Performance is not easy to achieve with simple Table lookups due to memory bandwidth limits. Solving this by using Bloom Filter, achieving FIB scale and resolving race conditions in the data plane during route changes.



Chandrasekaran Venkatraman,
Distinguished Engineer, Juniper Networks

10.00 Coffee/Exhibition/Interop Showcase/Networking

10.30 BEYOND THE EDGE

10.30 KPN: Towards the Edge, and Beyond?

Demonstrating how the new architecture for the KPN infrastructure, in which functionality are distributed as much as possible to the edge (but not yet over), and use SRv6 as the new underlay, allow to scale and distribute functions further out. Even over the edge?



Eduard Metz,
Network Architect, KPN

10.45 IP Network Evolution for AI Edge Inferencing

- The impact of AI edge applications on IP network evolution and the emerging market opportunities
- The role and requirements of IP networks in delivering the value of AI applications to end users
- The IP technologies and system requirements essential for enabling AI edge inferencing deployments



Arnold Jansen,
Senior Marketing Manager, Nokia

11.00 Intelligent Computing Edge Inference Network

Introducing the standards and industry advances for Compute-Aware Traffic Steering (CATS). SRv6 can be used as a typical tunneling technology CATS, providing service providers with better load balancing across multiple edge clouds.



Giuseppe Fioccola,
Senior Standardization Manager, Huawei Technologies

11.15 Agentic Edge: An AI Centric Approach to Edge Management

Edge cloud empowers a Communication Services Provider to expand their service portfolio, unveiling innovative approaches that enable value added services for subscribers and improve their quality of experience.



Kashif Islam,
Principal Telco Architect, Red Hat



Syed Hassan,
Principal Telco Architect, Red Hat

11.30 AUTOMATION

11.30 Importance of Automation in Journey towards Autonomous Networks

Discussing challenges such as multi-vendor networks and current solutions that use newer technologies, router implementations and a Software layer-based approach that enables Software defined networking. Advances in network router programmability including OpenConfig based interfaces, simplified path control using segment routing and the SDN Controller layer to abstract the network are covered.



Krishnan Thirukonda,
Principal Engineer, Cisco

11.45 GenAI Multi-agent-based Assurance of IP over DWDM Networks

Complex multi-layer networks can benefit from the application of Generative AI (GenAI) and multi-agent Large Language Models (LLMs) to automate the detection, analysis, and resolution of issues, for improved reliability and operational efficiency. Multi-agent systems facilitate collaborative problem-solving, whereby autonomous agents interact and share insights to pinpoint and address faults across both IP and optical layers.



Reza Rokui,
Director, Product Line Management, Ciena

12.00 Lunch/Exhibition/Interop Showcase/Networking

14.00 LATENCY AND PERFORMANCE MEASUREMENT

14.00 Telefonica: Considerations on Jitter and Latency

A new breed of services (e.g. VR, AR) have emerged demanding more careful consideration of latency and jitter, as relevant parameters to ensure correct service delivery. This requires to define, measure and enforce latency as crucial network KPIs.



Luis Miguel Contreras,
Technology Expert at Global CTIO Unit, Telefónica

14.15 Network Performance Measurement Toolkit

The Network Performance Measurement (NPM) toolkit for accurate latency and loss measurements, connectivity verification as well as recording packet path, enable network operators to provide strict SLAs. The IETF standards-based toolkit using Simple Two-Way Active Performance Measurement (STAMP) and its extensions for IPv6 and MPLS data planes are essential for seamless performance monitoring.



Rakesh Gandhi,
Principal Engineer, Cisco

14.30 SECURITY

14.30 MPLS Labels with a Context: Improving Security, Scalability and Convergence

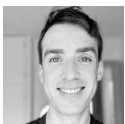
Showing how a border node can use a context table to automatically filter all labels that have not been previously advertised to a specific neighbor via BGP-LU, thus creating an effective MPLS label anti-spoofing mechanism. Describing how context tables for MPLS labels help improve convergence times, and address scalability in larger networks.



Anton Elita,
Technical Solutions Architect in Routing and Automation, EMEA, Juniper Networks

14.45 Enemy Within: A Year of Residential Proxy Attacks

Offering a deep technical dive into the nature of modern DDoS attacks and discussing recent cyberattacks on commercial and government targets, especially from groups like Russia-affiliated NoName, highlighting the pressing need for adaptive DDoS defence strategies.



Jerome Meyer,
Deepfield Security Researcher, Nokia

15.00 5G/6G

15.00 5G/6G Mobile User Plane Evolution

Some major mobile operators have been discussing a new user plane architecture that optimizes both the data plane and signaling. The architecture is also unified for both wireless and wireline networks, allowing for the seamless integration of wireline/wireless services. Discussing the user plane evolution and the new architecture.



Jeffrey Zhang,
Distinguished Engineer, Juniper Networks

15.15 AI Insights and Automation for 5G & Advanced Mobile Networks

Demonstrating how network intelligence captures end-to-end user experience data per cell, application, and user level. Discussing various use cases like network performance monitoring, customer care, and CAPEX planning.



Waris Saghee,
Director, Product Management, Cisco

15.30 Net5.5G Converged Bearer Network Requirements and Target Network

With the continuous development of 2B, 2C, and 2H services and the emergence of cloud and AI, new services pose new requirements on bearer networks. Describing the requirements, technical capabilities, and solutions related to the Net5.5G network.



Speaker from Huawei

15.45 End of the Conference

16.30 End of the Exhibition

HOTEL BOOKING



Paris' One-and-Only Skyscraper Hotel, 34-storey high, offers spectacular views over Paris and its most beautiful monuments. Fully renovated in 2017, the hotel is ideally located between the business district of La Défense and the Champs-Élysées.

Hyatt Regency Paris-Etoile is situated in central Paris. Directly connected to the Palais des Congrès, one of the largest conference venues in Paris, this business hotel is close to la Défense, the main business district of Paris. Its convenient location near the famous Champs-Élysées offers you a top selection for dining, shopping, and entertainment sites.

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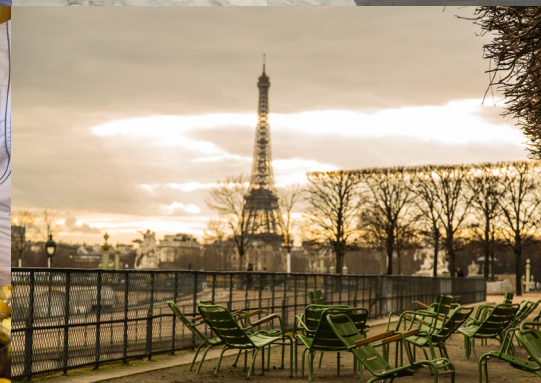
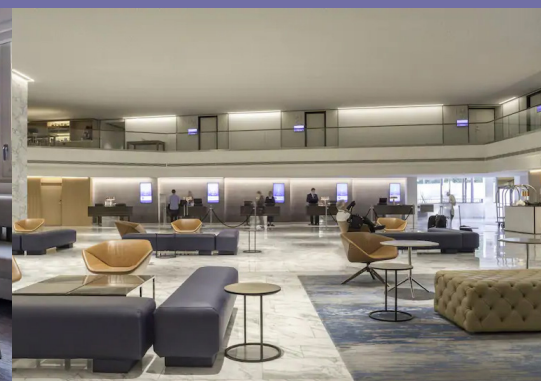
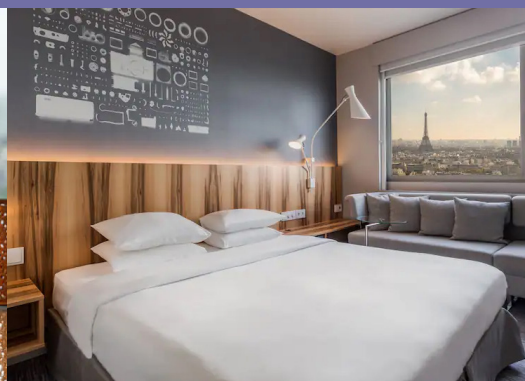
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