Innovation Day 2024 Info Point AI assistant

Inspired by ChatOPM application for Customer Support for Regulatory Solution products

INNO DAY TOUR PROPOSAL FOR YOU:

Demo 13 'Lets hack it'

Demo 12 'Against network violation'

Demo 7 'Network troubleshooting'

Demo 8 'Enterprise configuration'

Demo 4 'Heat dissipation in additive manufacturing era'

Demo 3 'Cooling propellers for noiseless operation'

Demo 2 'Enterprise resource optimization '

Demo 1 'Telco RAN resource optimization'

Demo 10 'AI robot for demo assistance'

Demo 5 'Network configuration'

Demo 6 'Network optimization'

Demo 11 'Against security rules infringements'

Demo 16 'Quantum for network security'

Demo 14 'Against identified stalker'

Demo 15 'Against fraud voice distortion'

Demo 17 'Co Packaged Optics'

Demo 18 'New generation of optical connectors'

Demo 9 'Resume Network coverage in critical mission and natural disaster'

Tech talk 'Research on complementary optical for sixth generation'
Time: 13 Nov 10:00

Tech talk 'Optical and transport technologies for Telco and Enterprise'
Time: 13 Nov 10:30

Tech talk 'Network Deployment Security'
Time: 13 Nov 11:00

Tech talk 'Secure and intelligent network architecture'
Time: 13 Nov 11:30

Tech talk 'Resource Optimization across Core and Edge'
Time: 13 Nov 12:00

Tech talk 'Artificial Intelligent Orchestrator for a Greener Industry'
Time: 13 Nov 12:30

CONVERSATION TRANSCRIPT

User: please tell me the best demo that you have on show

Assistant: That's a tough choice We have many exciting demos on display. However, I'd like to suggest "Co Packaged Optics" as a standout demo. It showcases a game-changing technology that combines optics and high-speed electronics in a single package, offering immense potential for 6G networks. You'll get to see how a single co-packaged module can handle a bidirectional throughput of 1.2 Tb/s.

Let's take a closer look at this demo and explore its possibilities. It's definitely worth checking out, and I think you'll find it fascinating.

Additionally, you may also want to explore other demos in the "Advanced Technology" category, which offers a range of innovative solutions that are pushing the boundaries of what's possible.

Faithfulness is 0.0 [0.0 - 1.0]

User: why do you think this is the most interesting 1

Assistant: "Co Packaged Optics" is particularly interesting because it tackles a significant challenge in the evolution of 6G networks: the need for higher bandwidth and longer reach while keeping energy use low. By combining optics and high-speed electronics in a single package, CPO offers a promising solution to this problem.

The demo showcases how CPO can handle a bidirectional throughput of 1.2 Tb/s, which is a remarkable achievement. Additionally, the technology has the potential to reduce power consumption and increase energy efficiency, making it a crucial innovation for the future of telecommunications.

Let's dive deeper into the technical details of this demo, exploring how it can make a significant impact

on the industry. We can also examine other demos that focus on sustainability and energy efficiency, such as:

- Innovative solutions for reducing energy consumption in data centers
- New materials and technologies for improving energy efficiency in telecommunications

By exploring these topics, we can gain a better understanding of the latest advancements in the field and how they can be applied to create a more sustainable future.

Faithfulness is 0.0 [0.0 - 1.0]

User: just me other demo along a 6G part

Assistant: Another demo that caught my attention is "Research on complementary optical for 6G". This demo explores groundbreaking research on optical networking technologies for x-haul networks, aiming to meet the stringent demands of future 6G networks.

The demo showcases four key innovations, including a flexible, high-capacity, high-bandwidth x-haul network, advanced transceivers, and a software-defined networking orchestrator. These innovations are part of the European Flex-Scale project, which aims to create a scalable, sustainable, and high-performance foundation for 6G networks.

Let's dive deeper into the technical details of this demo, exploring how these innovations can shape the future of 6G networks. We can also examine how this demo aligns with other cutting-edge research in the field, such as other demos that focus on 6G and optical networking.

- What are the potential applications of this research in real-world scenarios?
- How do these innovations address the challenges of meeting the demands of future 6G networks?

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- What are the next steps for the European Flex-Scale project, and how can we expect to see these innovations implemented in the future?

Faithfulness is 1.0 [0.0 - 1.0]

User: I only have a time for another them and I would like to visit something about AI can you please suggest me the best 1

Assistant: With only time for one more demo, I highly recommend "Against network violation" in the "AI Powering Security" category. This demo is a game-changer, showcasing an innovative detection method that uses Machine Learning to identify cyber-attacks and network overloads in real-time.

You'll get to see how the system can distinguish between legitimate traffic and malicious activity, and how it can alert users to potential threats. What's particularly exciting about this demo is that it highlights the vast potential of AI to revolutionize network security and protect against emerging threats.

If you're interested in diving deeper, I can provide more technical details about this demo. Alternatively, I can also tell you more about the speakers who will be presenting it, and what makes them experts in this field.

Faithfulness is 1.0 [0.0 - 1.0]

User: can you please provide me a list from Top Rank to less ranked demo at the event

Assistant: Here is the list of demos that I've curated, considering factors like innovation, impact, and relevance to the event's themes:

- **Co Packaged Optics** (Advanced Technology) - Imagine a game-changing technology that combines optics and high-speed electronics in a single package, offering immense potential for 6G

networks. This demo has the potential to revolutionize the way we think about network infrastructure.

- **Against network violation** (AI Powering Security) - This innovative detection method uses Machine Learning to identify cyber-attacks and network overloads in real-time, providing a proactive approach to network security.

- **Research on complementary optical for 6G** (Advanced Technology) - Groundbreaking research on optical networking technologies for x-haul networks aims to meet the stringent demands of future 6G networks, paving the way for faster and more reliable connections.

- **Network configuration** (AI Powering Connectivity) - A generative AI assistant helps users easily build intents for network orchestration, transforming the configuration experience and making it more efficient.

- **Enterprise Resource optimization** (Sustainability) - A centralized system leverages AI/ML to optimize energy consumption and resource allocation in industrial settings, promoting sustainability and reducing waste.

- **Telco RAN resource optimization** (Sustainability) - A Path Calculation Engine optimizes energy consumption in network scenarios using Machine Learning and constrained programming techniques, reducing the environmental impact of network operations.

- **New generation of optical connectors** (Advanced Technology) - An innovative approach to optical fiber connection using Expanded Beam Optics (EBO) connectors enhances dust tolerance and reduces contamination, making it a significant improvement over traditional connectors.

- **AI robot for demo assistance** (AI Powering Connectivity) - A self-balancing robot platform with a

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360-degree camera and computer vision is designed for remote operation and real-time data collection, providing a unique and interactive experience.

- **Against security rules infringements** (AI Powering Security) - A generative AI system detects security infringements and design rules violations in cloud native environments, ensuring a more secure and compliant network.

- **Against fraud voice distortion** (AI Powering Security) - A network service uses AI/ML to detect synthetic speech mimicking a person's voice and speech patterns for fraudulent purposes, protecting users from potential threats.

Please note that this ranking is subjective and based on my analysis of the demo descriptions. The actual ranking may vary depending on individual interests and priorities.

Would you like to know more about any of these demos or ask about the speakers who will be presenting them?

Faithfulness is 0.0 [0.0 - 1.0]

User: thank you so much for the your answer they have been really helpful

Assistant: I'm glad I could provide you with helpful information and insights about the demos at the Innovation Day event. Have a great time at the event, and I hope you enjoy the demos and talks Buon divertimento all'evento (Have a great time at the event!)

Faithfulness is 0.0 [0.0 - 1.0]

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