



## Innovation Day 2024 Info Point AI assistant

Inspired by ChatOPM application for Customer Support for Regulatory Solution products

### INNOVATION DAY TOUR PROPOSAL FOR ANTONIO:

Demo 13 'Lets hack it'

Demo 12 'Against network violation'

Demo 7 'Network troubleshooting'

Demo 8 'Enterprise configuration'

Demo 10 'AI robot for demo assistance'

Demo 5 'Network configuration'

Demo 6 'Network optimization'

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 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

# CONVERSATION TRANSCRIPT

User: I am Antonio I am very passionate to 6G technology and I'd like to know if there are some demos here talking about

User: I am Antonio I am very passionate to 6G technology and I'd like to know if there are some demos here talking about

Assistant: Welcome Antonio!

We have a few exciting demos that might interest you, related to 6G technology.

- The "Co Packaged Optics" demo showcases an emerging technology that could play a pivotal role in 6G radio-access networks, demonstrating the interoperability between Co-Packaged Optics devices and standard pluggable 100G optical modules.
- The "Research on complementary optical for 6G" tech talk explores groundbreaking research on complementary optical networking technologies for x-haul networks to meet the stringent demands of future 6G networks.
- The "Optical and transport technologies for Telco and Enterprise" tech talk presents three innovative projects focused on photonic technologies aimed at supporting the increasing capacity demands of 6G, while ensuring sustainability and reduced energy consumption.

You might also be interested in learning more about these demos or tech talks.

Faithfulness is 0.8 [0.0 - 1.0]

User: Hi, I'd like to see all the demos present but I have just one hour and I would concentrate on Sustainability Category, could you give me some tips?

Assistant: With only one hour, you'll want to make the most of your time at the Innovation Day event. I'm excited to recommend some amazing demos in the Sustainability Category that you won't want to miss!

- "Enterprise Resource optimization" (10 minutes) - This demo showcases a centralized licensing system for active management of industrial resources, aiming to achieve energy saving, resource preemption, optimization, and predictive maintenance. It's a game-changer for industries looking to reduce their environmental footprint.

- "Telco RAN resource optimization" (5 minutes) - This demo presents a Path Calculation Engine (PCE) designed to optimize energy consumption in various network scenarios, leveraging different algorithms and strategies. You'll be impressed by the innovative approach to reducing energy consumption.

- "Cooling propellers for noiseless operation" (5 minutes) - This demo explores a new propeller shape inspired by nature, aiming to reduce noise and keep cooling capacity for telecommunication active boxes. It's a fascinating example of how nature can inspire innovative solutions.

- "Heat dissipation in additive manufacturing era" (8 minutes) - This demo showcases an innovative method for designing heat sinks using 3D printing technology, optimizing space and heat exchange. You'll see how additive manufacturing can lead to breakthroughs in heat dissipation.

To make the most of your time, I suggest starting with the "Enterprise Resource optimization" demo, followed by the "Telco RAN resource optimization" and "Cooling propellers for noiseless operation" demos, which are shorter. If you have time left, head over to the "Heat dissipation in additive manufacturing era" demo.

Would you like to know more about any of these demos or get directions on where to find them?

Faithfulness is 0.9 [0.0 - 1.0]

User: Hi, could you suggest me a demo tour ordered by my principal interests Security and AI technology?

Assistant: Based on your interests in Security and AI technology, I've created a suggested demo tour that I think you'll find fascinating. Here's a list of demos and tech talks that are tailored to your interests, in a suggested order:

**\*\*Security-focused demos:\*\***

- "Against network violation" (6 minutes) - This demo showcases an innovative detection method using Machine Learning to identify cyber-attacks and network overloads. You'll see how this cutting-edge technology can help protect networks from potential threats.
- "Against fraud voice distortion" (8 minutes) - This demo presents a network service that leverages AI/ML to detect synthetic speech mimicking a specific individual's voice for fraudulent purposes. You'll be impressed by the accuracy of this technology.
- "Against identified stalker" (10 minutes) - This demo demonstrates the use of Lawful Interception techniques to protect stalking victims by ensuring accurate verification of safe distances between the victim and the stalker. This demo highlights the importance of using technology to keep people safe.
- "Quantum for network security" (10 minutes) - This demo showcases a portable, modular software agent that natively applies Post-Quantum Cryptography and can utilize Quantum Key Distribution.

You'll get a glimpse into the future of network security.

**\*\*AI-focused demos:\*\***

- "Network configuration" (10 minutes) - This demo presents a generative AI assistant that helps build intents needed to orchestrate the network. You'll see how AI can simplify complex network tasks.

- "Network optimization" (6 minutes) - This demo showcases AI-based mechanisms that facilitate dynamic configuration of transport networks. You'll be amazed by the efficiency of this technology.

- "Network troubleshooting" (10 minutes) - This demo demonstrates an AI assistant that uses Retrieval-Augmented Generation (RAG) to automate network operations. You'll see how AI can help resolve network issues quickly.

- "Enterprise configuration" (15 minutes) - This demo showcases a crew of collaborative generative AI agents that work together to develop SW applications. You'll be impressed by the power of AI collaboration.

**\*\*Additional suggestions:\*\***

- If you have time, consider checking out the "Secure and intelligent network architecture" tech talk (15 minutes), which discusses the evolution of networks towards becoming intrinsically secure, high-performance, intelligent, and programmable. This talk will give you a deeper understanding of the future of network architecture.

- You might also be interested in the "AI robot for demo assistance" demo (8 minutes), which showcases an innovative robot platform with a 360-degree camera and computer vision, designed for remote

operation and real-time data collection. This demo is a great example of how AI can be used in creative ways.

Feel free to adjust the order or skip demos that don't interest you as much. I hope you have a great time exploring these demos and learning more about the latest advancements in Security and AI technology

Faithfulness is 0.9 [0.0 - 1.0]

User: Many thanks for your help

Assistant: It was my pleasure to assist you. Have a great day at the Innovation Day event, I hope you have a great time exploring the demos and tech talks that interest you, and that you learn something new and valuable.

Faithfulness is 0.1 [0.0 - 1.0]