

Panel Discussion – Cyber Security, AI, and Advanced Telecommunications

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Panel Discussion: Cyber Security, AI, and Advanced Telecommunications



Chair



John Wright
CIGRE SC B5 UK RM
Senior Fellow
GE Vernova



Jianing Li
CIGRE SC D2 UK RM
Associate Director
WSP UK

Panellists



Haiyu Li
**Professor in Power System
Digitalisation and automations**
University of Manchester



Vladimir Terzija
**Professor of Energy
Systems & Networks**
University of Newcastle



David Meadows
Head of Engineering
Siemens Energy



Thomas Charton
National Grid Electricity Transmission

Introduction

- We are seeing an ever-increasing need for technology to facilitate the energy transition
- A discussion to highlight the innovations and impact of such technologies:
 - Cyber Security
 - AI
 - Advancements in telecommunications on the electrification industry.
 - etc
- What are the impacts of such technologies on the energy transition now and in the future.
- As we shift away from fossil fuel based conventional power systems. How are such advancements able to supplement a rapid growth in renewable energy considering the number of Engineers and skill sets we have available.

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How can AI and advanced data analytics transform power systems to accelerate progress toward net zero?

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What role will cybersecurity play in
safeguarding increasingly digital and
interconnected energy networks?

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What are the biggest technical and regulatory roadblocks to deploying these technologies at scale?

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How do we balance innovation with resilience—ensuring reliability while adopting AI, data-driven insights, and advanced telecoms?

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Looking ahead, what emerging trends or technologies will define the future of power systems and net zero delivery?

A photograph of two workers in a solar farm. One worker is in the foreground, crouching and looking down at something in their hands. The other worker is standing behind him, looking towards the right. They are both wearing hard hats and safety vests. In the background, there are many rows of solar panels stretching into the distance under a clear sky.

Thank You!

John Wright : john.w.wright@gevernova.com

Jianing Li : jianing.li@wsp.com

