



Jicable HVDC'25 - Preliminary Plenary Session Program

Version 9/12/2024

Day 1- Tuesday October 21st 2025

- **8.30 - 9.15 Opening Ceremony**

Espen Doedens	Nexans	Opening Session
Marc Jeroense	Marcable consulting	HVDC: Leading the Charge into Tomorrow

- **9.15 – 10.30 Session A1: Fundamental material performance aspects.**

Yohei Honna	ENEOS NUC	Water tree behaviour comparison between insulation materials
Ramona Huuva	Borealis	Enhancing EHVDC cable manufacturing productivity by using novel crosslinking technology
Christelle Mazel	Nexans	Developments & perspectives with HVDC thermoplastic cable insulation
Hiroaki Miyake / Yasuhiro Tanaka	Tokyo City University	Space Charge Observation at the Interface of Two-layered Insulating Material Laminations Simulating the Joint of a DC Cable

- **10.30 - 11.00 Coffee Break**

- **11.00 - 12.00 Session A2: Fundamental material performance aspects.**

Paolo Seri / Grazia Berardi	UniBO	Conductivity before and after electrical tests on 525kV cables and factory joint
Giancarlo Montanari / Grazia Berardi	Prysmian	Impact of electrothermal aging on HVDC polymeric cable life
Mr. Shosuke Morita	Central Research Institute of Electric Power Industry	Methodology for Deriving Conductivity in XLPE Cable Insulation Using Electric Field Distributions Obtained from Space Charge Measurement by Pulsed Electro-Acoustic(PEA) Method

- **12.00 – 13.15 Lunch break**



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Version 9/12/2024

- **13.15 - 14.30 Session B1: HVDC Cable Development.**

Muhammad Awais	Ningbo Orient	EHVDC Cable Technology: Recent Developments, Critical Barriers, and the Road Ahead
Mohamed El Chmouri	Riyadh Cables	Development, manufacturing and challenges of 525 kV DC cables and accessories in Saudi Arabia
Frank de Wild	DNV	Perspective on HVDC cable failures and manufacturing line qualification
Jayson Patrick	Electrotechnik	Parametric Study Report on Current Ratings of HVDC Cable Systems

- **14.30 – 15.45 Session B2: HVDC Cable Development.**

Aubin Mercier	RTE	Use of dynamic rating, use cases on HVDC projects and opening up to the issue of overplanting
Hossein Ghorbani	PeakVolt Professionals	Development of flexible factory joints for demanding HVDC applications
Lukasz Chmura	TenneT	Qualification of connectors for the use in HV and EHV DC accessories
Falk Hardt	NKT	Test experience with TB758 and related standardization

- **15.45 – 16.15 Coffee Break**

- **16.15 – 17.30 Session C: HVDC cable system grid interaction.**

Tanumay Karmokar	TenneT	Impact of DC Current Interruption on Transient Stresses in HVDC Cable Systems
Luigi Colla / Vincent Joubert	Prysmian	Modeling transient phenomena for HVDC land system
Giancarlo Montanari	FSU	HVDC cable energization and voltage polarity inversion: how to minimize risk and extent of PD
Robert Gerlach	RWTH Aachen University	Experimental comparison of cable insulation dielectric strength under long temporary overvoltage and superimposed lightning impulse

- **17.30 – 19.30 Young Researchers Poster Session**



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Day 2- Wednesday October 22nd 2025

- **8.15 – 9.30 Session D: New mechanical frontiers for HVDC cabling.**

Antoine Chretien	RTE	Dynamic DC cables connecting floating converter stations
Daniel Liefferink	TenneT	2 GW 525 kVDC tunnel installation studies
Lars Lervik	Nexans	Deepwater MI and related TOV testing
Roman Svoma	PowerSure Technology	Challenging installation conditions affecting HVDC cables

- **9.30 – 10.00 Coffee Break**
- **10.00 – 11.15 Session E: Monitoring & service aspects.**

Heiner Ottersberg	Prysmian	Monitoring of extra-long submarine cables
Jozua van Oosterom	TenneT	RTTR experiences for DC connections
Dan Keller	HIGHVOLT Dresden	Condition monitoring of offshore cable systems with practical examples
Sebastian Sturm	TenneT	Application of online fault location systems and their use for 525kV DC connections

- **11.15 - 12.30 Session F: Testing, operational feedback and perspective.**

Marc Fenger	Kinetrics	Testing of HVDC cables
Louis Southin	Transpower	Voltage Polarity Reversals (VPR): Development of qualification testing for large/ high VPR requirements for a replacement HVDC cable system
Shoji Mashio	Sumitomo Electric	5 year field experience of HVDC XLPE cable system towards new generation filled type XLPE cable
Uwe Schichler	TU Graz	The easy road to MVDC cable systems

- **12.30 – 12.45: Closing Session**
- **12.45 – 14.00 Lunch break**
- **14.00 – 18.00: Technical Visit**