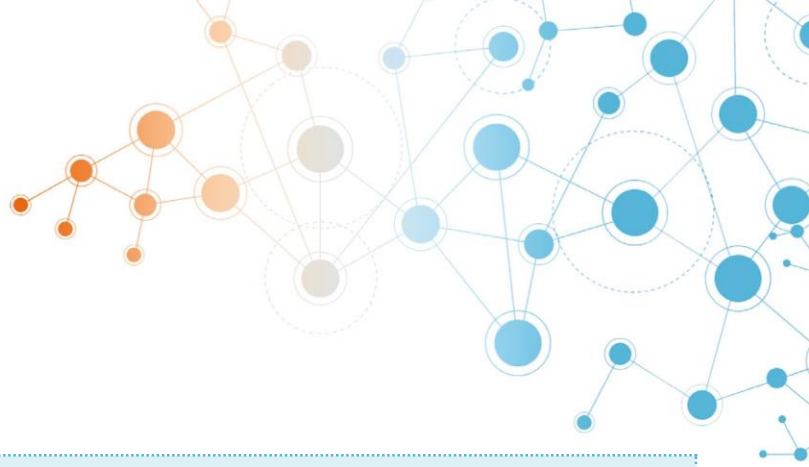


Superconducting cables for very high power transmission

4 & 5 July 2018 - La Spezia (Italy)

High-voltage direct-current superconducting cables are an attractive option for the **high-capacity links** of the future. Key elements of a **3-GW-class superconducting cable** have been validated in **Demo 5** of the EU-funded project Best Paths. The Demo 5 partners will present the results of their work on designing and testing the main elements of an MgB₂ HVDC superconducting power cable and will discuss the prospects of integrating such links into the European electricity grid.

Agenda	
Wednesday, 4 July 2018	
19h00	Bus pickup at NH Hotel in La Spezia
19h30	Welcome dinner at Villa Marigola, Lerici sponsored by ASG Superconductors and Columbus Superconductors A bus transfer back to the hotel has been organised
Thursday, 5 July 2018	
8h00	Bus pickup at NH Hotel in La Spezia (10-minute drive)
8h30 – 9h00	Registration and coffee
9h00 – 9h10	Welcome Sergio Frattini, CEO ASG Superconductors
9h10 – 9h30	Introduction to the Best Paths project and Demo 5 Christian-Eric Bruzek, Nexans and Adela Marian, IASS
9h30 – 11h00	Overview of the Demo 5 activities <ul style="list-style-type: none"> - MgB₂ wires and cable conductor (Matteo Tropeano, Columbus; Amadou Miéville, Nexans and Konstantina Konstantopoulou, CERN) - Demonstration cable system – high-voltage insulation, terminations and testing (Nicolas Lallouet, Nexans and Christian-Eric Bruzek, Nexans) - Installation in the grid including vision for long lengths (Pierre Meyer, RTE and Steffen Klöppel, TU Dresden) - Socio-economic evaluation (Pierre Meyer, RTE and Frédéric Lesur, Nexans)
11h00 – 11h15	Coffee break
11h15 – 12h00	Panel discussion “The future European grid and opportunities for integrating superconducting transmission links” Introduction and moderator: Luciano Martini, RSE Panelists: <ul style="list-style-type: none"> - Giovanni Grasso, Columbus - Jean-Maxime Saugrain, Nexans - Jean-Yves Astic, RTE - Massimo Rebolini, Terna



12h00 – 13h30	Lunch break including poster session and visits of the ASG magnet production site
13h30 – 15h00	Bus transfer to Columbus, Genoa with refreshments sponsored by CERN
15h00 – 16h30	Guided tour of the MgB₂ wire manufacturing production site and discussion with Demo 5 experts
16h30 – 17h30	Bus transfers to Genoa Station and Genoa Airport
17h30 – 20h00	Optional: bus transfer to La Spezia

Event venue

Dinner **Villa Marigola** Via S. Biaggini 1, 19032 Lerici SP, Italy

Workshop



ASG Superconductors

Via Melara 40, 19136 La Spezia, Italy
asgsuperconductors.com

Visit of the wire manufacturing



Columbus Superconductors

Via delle Terre Rosse 30, 16133 Genoa, Italy
columbussuperconductors.com

Accommodation

We recommend the following hotel, because the bus shuttle departs in front of the hotel:

Hotel NH La Spezia

Via XX Settembre 2, 19124 La Spezia, Italy
Phone: +39 0187 739 555
nhaspezia@nh-hotels.com

Please note that accommodation and travel are at the expense of participants.

Contact details

Silvia Frigato Bonello, Sales and marketing officer

ASG Superconductors

Phone: +39 010 648 9264

frigato.silvia@as-g.it

Nina Schwab, Press officer Best Paths

IASS Potsdam

Phone: +49 331 288 22 479

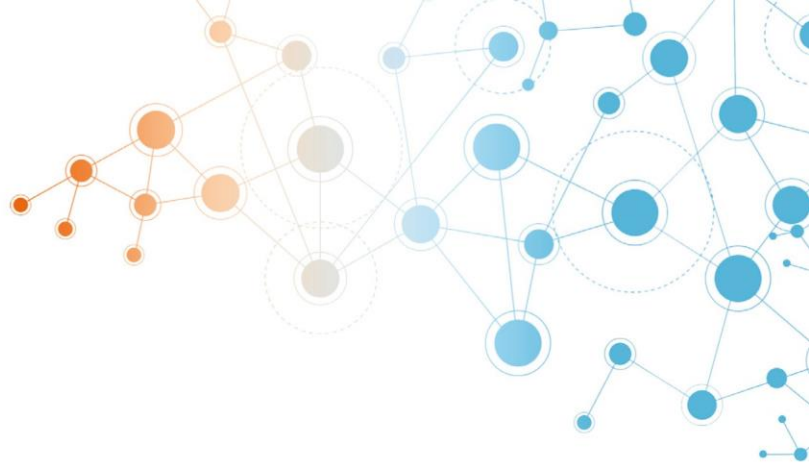
nina.schwab@iass-potsdam.de

Matteo Tropeano, Senior researcher R&D department

Columbus Superconductors

Phone: +39 346 797 4399

tropeano.matteo@clbs.it



Getting to La Spezia



From Pisa Airport

Public transport: Catch the bus line LAM-red for 3 stops, get off at Stazione Centrale di Pisa. Take the train towards La Spezia and get off at La Spezia Centrale (train station). Take the bus line no. 14 toward Valdellora for 6 stops and get off at Verdi. You find the NH hotel 200 metres away. The trip takes 1.5 hours approximately.

From Genoa Airport

Volabus is the shuttle bus service departing from Cristoforo Colombo airport to Brignole and Principe Train Stations. From Brignole or Principe Train Station take the train to La Spezia Centrale. Then take the bus no. 14 towards Valdellora for 6 stops and get off at Verdi. You find the NH hotel 200 metres away. The trip takes 2 hours approximately.

By train

To look up and book trains please go to [trenitalia.com](https://www.trenitalia.com)

By car

You can search for the best routes and calculate the toll amount by using this website: [autostrade.it/autostrade_en-gis/percorso.do](https://www.autostrade.it/autostrade_en-gis/percorso.do)

The NH hotel's GPS Coordinates are 44.10653°N 9.827533000000017°E

Parking is located 0.2 km from the NH hotel and is €20 per day.

Sightseeing

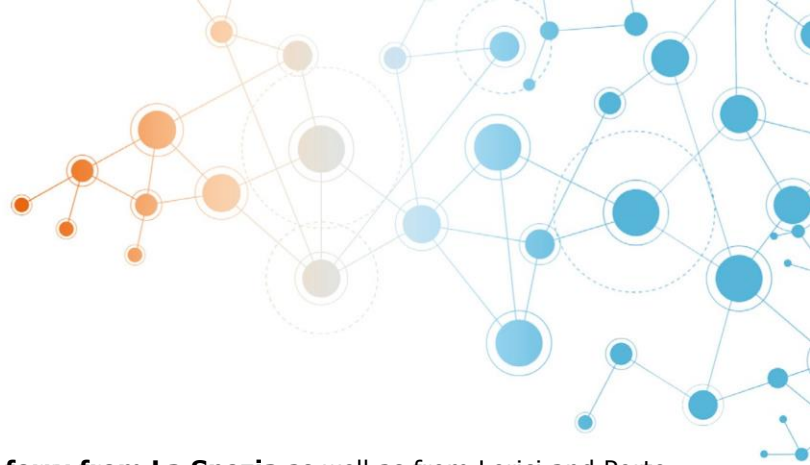
Cinque Terre

The Cinque Terre national park and villages are a popular tourist destination and just 15 km west of La Spezia. The Cinque Terre ("Five Lands") is a rugged coast on the Riviera and comprises the five villages Monterosso al Mare, Vernazza, Corniglia, Manarola and Riomaggiore.

The coastline, the five villages, and the surrounding hillsides are all part of the Cinque Terre National Park and constitute a **UNESCO World Heritage Site**. Over the centuries people have built terraces on the steep landscape right up to the cliffs that overlook the sea. **120 km of walking paths** as well as trains and boats connect the villages.

From La Spezia the train is the ideal means of transport to go to Cinque Terre. The runs are very frequent, especially during the summer, and the trains stop in all the stations of Cinque Terre. The terminus is in La Spezia, on the Pisa-Genoa railway line, where all long-distance trains stop.

[trenitalia.com](https://www.trenitalia.com)



In spring-summer there are daily connections by ferry from La Spezia as well as from Lerici and Porto Venere **to the Cinque Terre.**

navigazionegolfoideipoeti.it

Genoa

The historical port city is the capital of the Region of Liguria. Genoa features a beautiful **renovated old port** and **Europe's biggest aquarium**. Other tourist highlights include the **Cathedral of San Lorenzo**, the **Christopher Columbus House**, the **Sea Museum** and the **Naval Museum**.

Pisa

Pisa is best known for the world famous **Leaning Tower**. Tourist highlights include the **Cathedral of Santa Maria Assunta**, the **Baptistery**, the **Campo Santo** and the **Museo dell'Opera del Duomo**.

To know more about the Best Paths project and Demo 5 please visit

bestpaths-project.eu/en/demonstration/demo-5

twitter.com/bestpaths_eu

linkedin.com/company/best-paths-project