

CERN for Climate Action - CIPEA 2025 Event

Report of Contributions

Contribution ID: 2

Type: **not specified**

Welcome from CERN management

Tuesday, 28 October 2025 13:35 (10 minutes)

Presenter: HARTLEY, Christopher (CERN)

Session Classification: Introduction

Contribution ID: 3

Type: **not specified**

CIPEA - Programme overview

Tuesday, 28 October 2025 13:45 (15 minutes)

Presenter: CHESTA, Enrico (CERN)

Session Classification: Introduction

Contribution ID: 4

Type: **not specified**

CERN activities to support fusion: FTCU and advanced magnets

Tuesday, 28 October 2025 14:00 (15 minutes)

Presenter: BOTTURA, Luca (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: 5

Type: **not specified**

CERN activities to support fusion: materials analysis and testing

Tuesday, 28 October 2025 14:15 (25 minutes)

Presenters: RODRIGUEZ CASTRO, Enrique (University Carlos III (ES)); AVILES SANTILLANA, Ignacio (CERN); Dr SGOBBA, Stefano (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: 6

Type: **not specified**

IVAC-RED: Insulation Vacuum of SC Cables for Renewable Energy Distribution

Tuesday, 28 October 2025 14:40 (15 minutes)

Presenter: Dr FERREIRA SOMOZA, Jose Antonio (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: 7

Type: **not specified**

HTS applications for power distribution in aviation and data centers and energy storage for ships

Tuesday, 28 October 2025 17:35 (20 minutes)

Presenter: Dr BALLARINO, Amalia (CERN)

Session Classification: Clean Transportation and Future Mobility

Contribution ID: 8

Type: **not specified**

Leak-tight Vacuum Insulated Tankers for LH2 Maritime Transportation

Presenters: FAVRE, Gilles (CERN); Dr FERREIRA SOMOZA, Jose Antonio (CERN); Dr SGOBBA, Stefano (CERN)

Session Classification: Clean Transportation and Future Mobility

Contribution ID: 9

Type: **not specified**

MotorSense: Identifying Energy-Saving Potential through Smart Sensors, Digital Twins and Analytics

Tuesday, 28 October 2025 16:50 (15 minutes)

Presenter: ANDERSEN, Anders (CERN)

Session Classification: Sustainability and Green Science

Contribution ID: 11

Type: **not specified**

EMP2: Environmental Modelling and Prediction Platform

Tuesday, 28 October 2025 16:20 (15 minutes)

Presenters: DI MEGLIO, Alberto (CERN); LUISE, Ilaria (CERN)

Session Classification: Climate Change and Pollution Control

Contribution ID: 12

Type: **not specified**

Edge SpAIce: Detecting plastic in the Oceans from Space

Tuesday, 28 October 2025 16:35 (15 minutes)

Presenter: SUMMERS, Sioni Paris (CERN)

Session Classification: Climate Change and Pollution Control

Contribution ID: 13

Type: **not specified**

Conclusion

Tuesday, 28 October 2025 17:55 (5 minutes)

Presenter: CHESTA, Enrico (CERN)

Session Classification: Conclusions

Contribution ID: 14

Type: **not specified**

Event opening

Tuesday, 28 October 2025 13:30 (5 minutes)

Presenter: COOK, Anna (CERN)

Session Classification: Introduction

Contribution ID: 16

Type: **not specified**

VULCAN - Versatile ULtra-Compact Accelerator-based Neutron source

Tuesday, 28 October 2025 14:55 (15 minutes)

Presenter: WROE, Laurence Matthew (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: **18**

Type: **not specified**

Supporting Accelerator Driven Systems development

Presenters: MOROS, Alice (CERN); Dr CALVIANI, Marco (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: **19**

Type: **not specified**

Structured laser beam for laser marking to save ink

Tuesday, 28 October 2025 17:20 (15 minutes)

Presenter: GAYDE, Jean-Christophe (CERN)

Session Classification: Sustainability and Green Science

Contribution ID: **20**

Type: **not specified**

Supporting Accelerator Driven Systems development

Tuesday, 28 October 2025 16:00 (20 minutes)

Presenters: MOROS, Alice (CERN); Dr CALVIANI, Marco (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: 22

Type: **not specified**

MAGWATTS: Injection locked magnetrons for particle accelerators and industrial dielectric heating

Tuesday, 28 October 2025 15:10 (15 minutes)

Presenter: KOVERMANN, Jan (CERN)

Session Classification: Renewable and Low-Carbon Energy

Contribution ID: 23

Type: **not specified**

SF6-free RF circulator

Tuesday, 28 October 2025 17:05 (15 minutes)

Presenter: DOEBERT, Steffen (CERN)

Session Classification: Sustainability and Green Science