

SAVE
THE DATE

15-16 APR

Cagliari

Aula Magna Facoltà di Ingegneria
e Architettura, Via Marengo, 2

Design and
Sustainability
of Airport Pavements

DESAP 20
25

Design and Sustainability
of Airport Pavements



Synopsis

The next challenge that airport sector professionals, companies, and administrations will face is the significant growth of the international airport system, which, despite the pandemic, will far exceed forecasts made over the past decade. It will be necessary to implement the planned transportation infrastructures according to modern, sustainable, and resilient criteria.

How can this objective be achieved?

What methods, resources, and production technologies should be employed?

How can innovative green technologies and circular economy principles be incorporated into construction processes?

The Design and Sustainability of Airport Pavements conference aims to explore this scenario, addressing topics covered in the latest international scientific research and the best practices in the analysis, design, and construction of flight infrastructures.

The event, promoted by the "Sardinia Green Road" transport infrastructure research group at the University of Cagliari and the National Council of Italian Engineers, aspires to be a key moment for reflection and updates for all stakeholders involved in the airport and transport infrastructure sectors.

Technical Visit to new commercial port of Cagliari

With over 700,000 m² of newly paved surfaces, the construction site for the new commercial port of Cagliari is taking shape. New materials, quality controls, and environmental sustainability are at the heart of the design. On the afternoon of April 16th, those who wish to visit the construction site can do so, accompanied by technical staff and the Port Authority of Cagliari.

PROMOTED BY



UNIVERSITÀ DEGLI STUDI
DI CAGLIARI



POLITECNICO MILANO 1863 | DIPARTIMENTO DI INGEGNERIA
CIVILE E AMBIENTALE



DAY 1

SCHEDULE
15-APR

15:30 - 16:15

WELCOME AND ATTENDEE REGISTRATION

16:15 - 17:45

Introduction

Chair Mauro Coni, Professor of Roads, Railways and Airports, University of Cagliari

Welcome greetings

Francesco Mola, Rector University of Cagliari

ENAC Next airfields and airports in Italy

Davide Drago, Director of Airport Design and Development Department - ENAC

Airfields evaluation

Massimo Losa, Full Professor of Roads, Railways and Airports, University of Pisa

Sustainable Technologies for Airport Pavements

Alessandro Marradi, Professor of Roads, Railways and Airports, University of Florence

17:45 - 18:45

KEYNOTE SPEAKER “Towards a Net-Zero Emission Pavements”

Imad L. Al-Qadi, Grainger Distinguished Chair in Engineering, Director of the Illinois Center for Transportation (ICT) - University of Illinois, Urbana-Champaign (UIUC) USA

18:45 - 19:15

ROUND TABLE AND DISCUSSION

DAY 2

SCHEDULE
16-APR

09:45 - 11:00

Introduction

Chair Francesca Maltinti, Researcher of Roads, Railways and Airports, University of Cagliari

Airport Pavement Management System

Maurizio Crispino, Full Professor of Roads, Railways and Airports, Polytechnic of Milan

Self-Sensing Asphalt Pavements

Juan Gallego, Full Professor Universidad Politécnica de Madrid, Department of Transport Engineering Urban and Regional Planning

11:00 - 12:00

KEYNOTE SPEAKER “New Developments in FAA Pavement Design Approach”

Navneet Garg, FAA Program Manager - National Airport Pavement and Materials Research Center Atlantic City, Federal Aviation Administration, Airport Technology Research & Development USA

12:00 - 12:30

ROUND TABLE AND DISCUSSION

12:30

CONCLUSION

16:00 - 18:00

TECHNICAL VISIT TO NEW COMMERCIAL PORT OF CAGLIARI

SCIENTIFIC AND ORGANISING COMMITTEE

SCIENTIFIC BOARD

Prof.ing. Mauro Coni

Prof.ing. Francesca Maltinti

Prof.ing. Francesco Pinna

Dott.ing. Silvia Portas

Dott.ing. Nicoletta Rassu

Dott.ing. James Rombi

Dott.ing. Marta Salis

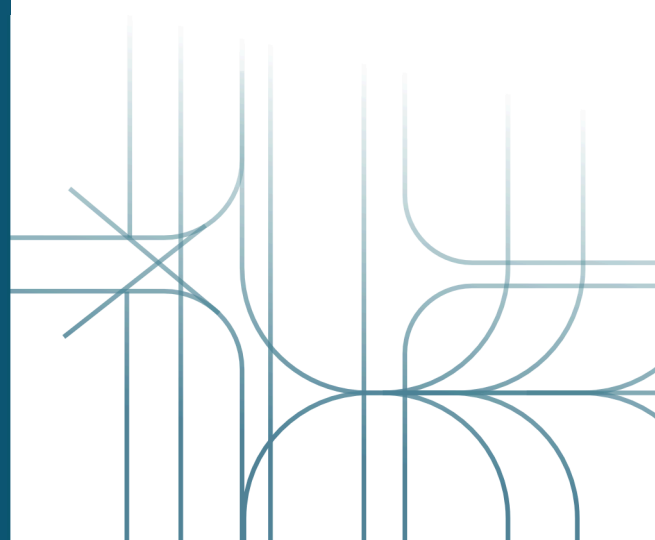
Dott.ing. Andrea Serpi

Dott.ing. Francesco Grazietti

ORGANISING COMMITTEE

Mauro Coni, Francesca Maltinti,
Nicoletta Rassu, James Rombi,
Maria Chiara Esposito

SCIENTIFIC DISCIPLINARY
SECTOR: ROADS, RAILWAYS
AND AIRPORTS





How to Participate

DESAP 2025

The Conference will take place in Cagliari, Aula Magna Facoltà di Ingegneria e Architettura, Via Marengo, 2.

The event will be held in English, with simultaneous translation into Italian provided.

How to Participate

Participation in the event is open to all, but registration is required. To join, please fill out this form:

<https://forms.gle/NEucHoTnbd5VpGUE9>

ORGANISING SECRETARIAT

Be
tools.

desap2025@betools.it

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