



BOLOGNA, venerdì 10-17-24 MAGGIO 2024

UNIVERSITÀ DI BOLOGNA
Room TDB – Viale Risorgimento, 2 | Bologna
ORE 14,00 – 17,00

Ingresso libero fino ad esaurimento posti

Series of Seminars
«**Thermal Comfort for Automotive Applications**»

In this series of seminars, an insight is proposed into the most recent advances in the study of thermal comfort with specific reference to applications in the automotive sector. Starting from the statement of the problem, the modelling approaches available in the literature are dealt with, together with measurement techniques and the discussion of relevant applications.

PROGRAM PROPOSAL

Day 1 ***Thermal comfort.*** Introduction to thermal comfort, scope and importance.

Modelling thermal comfort. From the early Gagge and Fanger model to the most recent approaches, including adaptive and transient phenomena.

Day 2 ***Measuring thermal comfort.*** Measurement instruments and procedures, from traditional sensors to thermal manikins.

Day 3 ***Automotive applications.*** Challenges and opportunities related to the study of thermal comfort for automotive applications.

Federica Morandi is a Research Fellow in the Faculty of Engineering, Free University of Bozen-Bolzano. She graduated from the University of Bologna and obtained a PhD in Energy, Nuclear, and Environmental Engineering from the same university. Her research interests cover multi-domain comfort, exploring the interaction between thermal, air quality, acoustic, and visual conditions.