



Workshop program

Seating/Sitting Comfort

18-21 Ottobre 2024

DIPARTIMENTO DI INGEGNERIA INDUSTRIALE
UNIVERSITA' DEGLI STUDI DI SALERNO
ONLINE (Waseda University – Tokio)

18 Ottobre 2024

- Ore 13:00 Introduction and welcome meeting
- Ore 13:30 A Japanese Chef in our Lab: sharing culinary experiences
- Ore 15:00 UniSA and Waseda University collaborating together: Prof. Rosaria Califano
- Ore 15:15 Monday Workshop rules and goals – Proff. Alessandro Naddeo and Prof. dr. Kageyu Noro
- Ore 15:30 Open discussion and organization

21 Ottobre 2024

- Ore 8:30 Welcome speech – Prof. dr. Alessandro Naddeo – UniSA
- Ore 8:40 Basic Principles for creating a comfortable seat:
 - 1) Interaction and preferences – Prof. Alessandro Naddeo (30m)
 - 2) Pressure and Load Distribution by Experiments – Prof. Rosaria Califano (30m)
- Ore 09:40 Increase research possibilities by building own equipment:
 - 1) How to measure pelvic tilt angle - Prof. Dr. Kageyu Noro (40m)
 - 2) How to create a wearable device that can simultaneously measure pressure profile and comfort rating – Koshiro Sato & Hidenori Togami (10m)
- Ore 10:30 Coffee Break
- Ore 10:45 Greetings from Dott. Francesco Draicchio - President of SIE (10m)
- Ore 10:55 Lectures
 - 1) New Design paradigms for autonomous vehicles – Prof. Alessandro Naddeo (20m)
 - 2) Greetings from Prof. Toriizuka, President of JES (10m)
 - 3) Evolution of seat comfort using AI – Prof. Rosaria Califano (30m)
 - 4) Physical principles of Zen-sitting and its application to crafting a chair for ophthalmological surgeons – Prof. Kageyu Noro (30m)
 - 5) What we feel in sitting - The science of sitting comfort from the biomechanical and physiological point of view – Prof. Akinari Hirao (30m)

Ore 13:00 Lunch time for open discussion (at UNISA Canteen)



- Ore 14:15 A post-meridian session with Italian and Japanese Students:
Introduction by Prof. Alessandro Naddeo (15m)
Exploring the Possibilities of Future AI Pillows – Kouga Sato (5m)
Modeling of Time Series Changes of Leg Swelling in Office – Naoya Wada and Prof. Akinari Hirao (5m)
Group activity: Creating your own perfect seating experience (1:10 scale modelling)
- Ore 15:30 Prof. Ebara greetings and Presentation of JES Symposium
- Ore 16:15 Presentation of models and discussion
Ore 16:30 Closing session

Contacts:

Prof. Dr. Alessandro Naddeo – UNISA - Dipartimento di Ingegneria Industriale email: anaddeo@unisa.it

Prof. Dr. Kageyu Noro – Waseda University - hag02334@nifty.com