



Livia Felicetti

EDUCATION AND TRAINING

Ph.D. Student in Theoretical and Applied Mechanics (Meccanica Teorica e Applicata) - Joint Ph.D.

Sapienza University of Rome, DIMA, Rome, Italy [01/11/2020 – 19/02/2024]

Thesis: Analysis and rendering of contact vibrational stimuli for tactile perception

Ph.D. Student in Mechanical Engineering (Génie Mécanique) - Joint Ph.D.

National Institute of Applied Sciences (INSA) of Lyon, LaMCoS Lab, PhD School MEGA, Lyon, France [01/11/2020 – 19/02/2024]

Thesis: Analysis and rendering of contact vibrational stimuli for tactile perception

Master's Degree in Mechanical Engineering

Sapienza University of Rome, Rome, Italy [29/07/2020]

Final grade: 110/110

Thesis: Tactile simulation of surface textures from haptic vibrational stimuli with electro-active polymer piezoelectric actuators

Bachelor's Degree in Mechanical Engineering

Sapienza University of Rome, Rome, Italy [27/07/2017]

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING B2 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

French

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

Tactile rendering of textures by an Electro-Active Polymer piezoelectric device: mimicking Friction-Induced Vibrations [2022]

L. Felicetti, E. Chatelet, A. Latour, P.H. Cornuault, F. Massi, Biotribology

DOI 10.1016/j.biotri.2022.100211

Tactile discrimination of real and simulated isotropic textures by Friction-Induced Vibrations [2023]

L. Felicetti, C. Sutter, E. Chatelet, A. Latour, L. Mouchnino, Tribology International

DOI 10.1016/j.triboint.2023.108443

Investigation on the role of the finger Transfer Function in tactile rendering by Friction-Induced-Vibrations [2023]

L. Felicetti, E. Chatelet, B. Bou-Saïd, A. Latour, F. Massi, Tribology International

DOI 10.1016/j.triboint.2023.109018

Cortical facilitation of tactile afferents during the preparation of a body weight transfer when standing on a biomimetic surface [2023]

C. Sutter, A. Moinon, L. Felicetti, F. Massi, J. Blouin, L. Mouchnino, Frontiers in Neurology

DOI 10.3389/fneur.2023.1175667



Analysis and mimicking of contact vibrations, induced by touching isotropic surface textures

[2022]

L. Felicetti, E. Chatelet, A. Latour, F. Massi, Proceedings of ISMA-USD 2022, Leuven, Belgium

Dynamic Analysis of a Tactile Device for Mimicking Mechanical Stimuli Responsible of Texture Perception

[2023]

L. Felicetti, E. Chatelet, F. Massi, Proceedings of IMAC-XLII 2024 (accepted for publication).

Proceedings of IMAC-XLII, International Modal Analysis Conference, Orlando, Florida, 2024 (accepted for publication).

CERTIFICATIONS

Abilitazione alla Professione di Ingegnere Industriale

[16/06/2021]

Rilasciato da: Ordine degli Ingegneri della Provincia di Roma

Sez. A