

PERSONAL INFORMATION

Marta Di Fabrizio

RESEARCH EXPERIENCE

12/2018 - 01/2020

Experimental Physics Master thesis at “Terahertz Sapienza” Lab, University “La Sapienza”, Rome, Italy
“THz Time Domain Spectroscopy and Imaging: Apparatus Development and Performances”

EDUCATION AND TRAINING

10/2017 - 01/2020

Master degree in Physics, University “La Sapienza”, Rome, Italy
Final grade: 110 with honors/110 (GPA: 4.0 with honors)

10/2014 - 10/2017

Bachelor degree in Physics, University “La Sapienza”, Rome, Italy
Final grade: 110 with honors/110 (GPA: 4.0 with honors)

Italian

PERSONAL SKILLS

English

Mother tongue

Excellent

Other languages

Excellent

Excellent

Reading skills

Writing skills

Listening skills

French

School level

School level

School level

Reading skills

Writing skills

Listening skills

▪ Programming languages and data analysis: Matlab, ImageJ, C, Origin, Opus

▪ Windows operative system: Office (Excel, PowerPoint, Word...)

Digital skills

Teamwork attitude, easiness in cultural views exchange, curiosity

Personal attitude

ADDITIONAL INFORMATION

D'Arco, A., Di Fabrizio, M., Dolci, V., Petrarca, M., & Lupi, S. (2020). THz Pulsed Imaging in Biomedical Applications. *Condensed Matter*, 5(2), 25.

Publications

D'Arco, A., Di Fabrizio, M., Dolci, V., Marcelli, A., Petrarca, M., Della Ventura, G., & Lupi, S. (2020). Characterization of volatile organic compounds (VOCs) in their liquid-phase by terahertz time-domain spectroscopy. *Biomedical Optics Express*, 11(1), 1-7.

Di Fabrizio, M., D'Arco, A., Lupi, S. Performance evaluation of a THz pulsed imaging system: point spread function, broadband THz beam visualization and image reconstruction. Submitted on Journal of Physics: Photonics.

Galstyan, V., D'Arco, A., Di Fabrizio, M., Poli, N., Lupi, S., Comini, E. Detection of volatile organic compounds: from chemical gas sensors to terahertz spectroscopy. Submitted on Reviews in Analytical Chemistry.

THz Radiation Workshop - "Spectroscopy and imaging with THz radiation using ultimate radiation sources" Rome, 10-11 December 2019

Conferences

Laser security course, University "La Sapienza", Rome, 15 February 2019

Courses

Mountain climbing, swimming, horse riding, skiing, piano playing, photography, literature reading, cinema

Extra CV activities

▪ Bachelor and Master degree certificates; ▪ List of Bachelor and Master exams.

ANNEXES

▪ Bachelor and Master thesis PDFs available, if required