




Vasileios Sarakatsianos


Date of birth: 22/04/1996


Nationality: Greek

Gender: Male

CONTACT

 Gianni Athitaki, 2
71410 Heraklion, Crete,
Greece (**Home**)

 v.sarakatsianos@iesl.forth.com

 (+30) 6977659771

WORK EXPERIENCE

11/2022 – CURRENT Heraklion, Crete, Greece

Scientific laboratory technician Foundation for Research and Technology - Hellas

Department Institute of Electronic Structure and Lasers - Photonic Materials and Devices Laboratory | **Website** <https://pmdl.iesl.forth.gr/>

EDUCATION AND TRAINING

09/2014 – 10/2020 Athens, Greece

Bachelor in Physics National and Kapodistrian University of Athens

Studied Physics with an emphasis on Condensed Matter Physics

Final grade 7.3 | **Thesis** Flexoelectricity in Nematic Liquid Crystals

09/2020 – 09/2022 Heraklion, Greece

Master in Photonics and Nanoelectronics University of Crete

The "Photonics and Nanoelectronics" master's program covers the theory and advanced topics regarding photonics and photonic integrated circuits, as well as nano-scale semiconductor physics.

My master's thesis revolved around the fabrication and study of optical fiber sensors for chemical sensing. During my studentship, I had the opportunity to extensively study and fabricate standard and tilted optical fiber Bragg gratings on SMFs, using a ArF Excimer laser. Those gratings were then used as sensors for perfluorinated chemicals.

Final grade 8.07 | **Thesis** Fiber-optic chemo-sensors for perfluorinated substances sensing

LANGUAGE SKILLS

MOTHER TONGUE(S): Greek

Other language(s):

English

Listening C2

Reading C2

Writing C2

Spoken production C2

Spoken interaction C2

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

ADDITIONAL INFORMATION

Conferences and seminars

03/07/2023 – 06/07/2023 Prague

PIERS2023 "Optical Fiber Sensing Probe for Asphaltene Monitoring in Crude Oil" (Presenting Author).

Publications

[Optical fiber sensor for the vapor phase detection of Trifluoroethanol](#)

V. Sarakatsianos, G. Pappas, E. Pavlopoulou, M. Vamvakaki, and S. Pissadakis, "Optical fiber sensor for the vapor phase detection of Trifluoroethanol", Proc. SPIE 12643, EWOF5 2023, 126431F (23 May 2023)