



Mohamad FARHAT

Ph.D. in Physics and
Fluid mechanics

About Me

25 years old, married, ambitious, and
a ceaseless striver for teach and learn

+33 7 69 47 88 22

mhd.t.farhat@gmail.com

Marseille - France

Experience

2016-2022 Private Physics & Math tutor

Online



- Teaching and following up college, international (IGCSE), and undergraduate students.
- Determining the students' needs and specifying a starting teaching point based on their knowledge.
- Preparing and implementing methods with daily life examples to bring science closer to students.
- Solving and illustrating assignments and homeworks.

2019-2022 Ph.D. & research engineer

IRSN, Cadarache



- Designed experimental facilities to study the hydrodynamics of gas flows
- Participated in national and international conferences.

Education

2019-2022 Ph.D in Mechanics & Physics of Fluids

Aix Marseille University



2017-2019 M.Sc. in Fluid Engineering

INSA & INP Toulouse



2014-2017 B.Sc. in General Physics

Lebanese University



Languages

- English
- Arabic
- French

Social skills

- Pedagogical & flexible
- Punctual & Patient
- Adaption & Influencing
- Leadership & encouraging

Theoretical competences

- Mechanics and dynamics
- Fluid mechanics
- Nuclear & atomic physics
- Electricity & electromagnetism
- Thermodynamics
- Algebra and differential equations
- Geometry

Numerical skills

- MatLab
- C++
- Python
- CFD (ANSYS)
- Comsol
- Starccm+

Publications

Farhat, M., Chinaud, M., Nerisson, P., & Vauquelin, O. (2021). Characterization of bubbles dynamics in aperiodic formation. *International Journal of Heat and Mass Transfer*, 180, 121646.

Farhat, M., Chinaud, M., Nerisson, P., Vauquelin, O., & Cantrel, L. (2022). Bubbles dynamics under pool scrubbing conditions for iodine compounds trapping applications. *The 10th European Review Meeting on Severe Accident Research (ERMSAR)*, Karlsruhe - Germany, May 2022.

Farhat, M., Chinaud, M., Nerisson, P., & Vauquelin, O. (2022). Piégeage de composés iodés par barbotage: aspects hydrodynamiques. *25ème Congrès Français de Mécanique*, Nantes-France, Septembre 2022.

Conferences and technical meetings

- IRSN thesis days, internal online conference, March 2021 (Oral presentation).
- IRSN thesis days, internal conference, La Colle sur Loup-France, March 2022 (Oral presentation).
- The 10th European Review Meeting on Severe Accident Research, Karlsruhe - Germany, May 2022 (Oral presentation).
- 25ème Congrès Français de Mécanique, Nantes, France – September 2022 (Oral presentation).
- 6 technical presentations to EDF France and exchange with nuclear research institutes.