Brahim Benaissa

brahimbenaissa.com

Computational Mechanics, Soft Computing Systems and Optimization Algorithms.

EXPERIENCE

- **Toyota Technological Institute,** Japan — **Postdoctoral Researcher** — 2021 - present.

I am currently working on multidisciplinary design optimization at the Design engineering Lab, Mechanical Systems Engineering.

- **Startup F*ounder*** — 2019 - 2021.

Started an information technology company with a web platform product for community interaction and project collaboration.

- **Medea university,** Algeria — **Teaching Assistant** — 2011 - 2013.

Taught Classical Mechanics and Analytical Mechanics for undergraduate students, at the faculty of technology.

EDUCATION

- **Kyushu Institute of Technology,** Japan — **Research Associate** — 2017 - 2020.

Worked on indoor localization and human activity recognition at the Kansei Engineering Lab. And taught Optimization Algorithms to graduate students the Department of Human Intelligence Systems.

- **INSA centre val de loire Blois,** France— **Visiting Researcher** — 2014

I worked on damage identification at The Laboratory of material science and Rheology.

- **Boumerdes University,** Algeria— *Ph.D.* — 2012 - 2016
Thesis: Bio-inspired optimization algorithms and model order reduction for crack identification.

RECENT COMMUNITY INVOLVEMENT

- **Reviewer** at the journals: "Journal of Scientific Computing" and "Fracture and Structural Integrity".
- **Managing chair** at the International Conference of Steel and Composite for Engineering Structures.
- **Managing committee member** at the International Conference on Structural Health Monitoring and Engineering Structures.

AWARDS

Research funding at Kyushu Institute of Technology: for developing activity recognition solutions.
Research funding at the University of Boumerdes: for crack identification PhD research.
Top student award at the University of Medea: Masters and Bachelor top student of the Department of Mechanical Engineering.

LANGUAGES

Fluent: English, French, Arabic, Matlab, Python.
Basic: Japanese, Javascript, HTML, CSS.

PUBLICATION LIST

On [Personal website](#)
On [Google scholar](#)
On [Scopus](#)