

# 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.

- **Eyenbros.com**, Japan — **Startup Founder** — 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 — **postdoctoral training** — 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

Please click to find it on my [Personal website](#) or on [Google scholar](#).