Fatima-Zahra Oujebbour

Ph.D in applied mathematics – Mechanical engineer

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Date of Birth : 02 June 1987
Citizenship : Moroccan

Professional Experience

- Scientific Researcher — **Rabat, Morocco**
CNESTEN – National Center of Energy Science and Nuclear Techniques - — **2015-Present**
Industrial Applications Division

- University Lecturer — **Rabat, Morocco**
ENSIAS – Mohammed V University - — **2014-2015**
Department of Informatics for Computer-Aided Decision Making

- Teaching fellow — **Sophia-Antipolis, France**
Polytech' Nice – Engineering school of the University of Nice - — **2011-2012**
Department of civil engineering

Education and Certificates

- Doctorat equivalent to a **Ph.D in applied mathematics** — **2010 – 2014**
INRIA (Frensh National Institute for Research in Computer Science and Control) — Sophia-Antipolis,
& Doctoral school in fundamental and applied sciences — University of Nice, France
– Thesis subject : "*Methods and industrial applications in multi-criteria optimization of process parameters in sheet metal forming*"
– Funded by OASIS project (FUI id. 10040009Z) "*Optimization of addendum surfaces in stamping*" involving academic and industrial partners (ArcelorMittal, EDF, Scialb Consortium, INRIA, ESILV, UTC ...).

- Diplôme d'ingénieur equivalent to a **Master of Science in Mechanical Engineering** — **2007 – 2010**
Specialization : Design&Production/Solid Mechanics/Engineering Management. — Rabat, Morocco
Officer of The Royal Moroccan Armed Forces.
EMI (The Mohammadia School of Engineering)

- Classes préparatoires aux grandes écoles as a highly selective **university-level preparation in mathematics and physics** — **2005 – 2007**
Fez, Morocco

Publications

F.-Z. Oujebbour, **A. Habbal**, **R. Ellaia**, *Optimization of stamping process parameters to predict and reduce springback and failure criterion*, Structural and Multidisciplinary Optimization – Springer. (DOI : 10.1007/s00158- 014-1138-3)

F.-Z. Oujebbour, **A. Habbal**, **R. Ellaia**, **Z. Zhao**, *Shape design of a sheet contour against concurrent criteria*, Journal of Computational Design and Engineering – Techno-Press. (DOI : 10.7315/JCDE.2014.018)

M. Hamdaoui, **F.-Z. Oujebbour**, **A. Habbal**, **P. Breitkopf**, **P. Villon**, *Kriging surrogates for evolutionary multi-objective optimization of CPU intensive sheet metal forming applications*, International Journal of Material Forming – Springer. (DOI : 10.1007/s12289-014-1190-y)

Conferences and Summer schools

- DIR 2019 — **04 - 06 July 2019**
International Symposium on Digital Industrial Radiology and Computed Tomography 2019, — Fürth, Germany
" *Multi-energy X-ray image fusion*"

- OPT-I 2014 — **04 - 06 June 2014**
International Conference on Engineering and Applied Sciences Optimization, — Kos, Greece
" *Multi-objective optimization for blank shape design of high strength sheet metal in stamping process*"

- IESM'2013 - IEEE — **28 - 30 October 2013**
5th International Conference on Industrial Engineering and Systems Management, — Rabat, Morocco

" *Optimization of Concurrent Criteria in the Stamping Process*"
- ASEM13 **8 - 12 September 2013**
The 2013 World Congress on Advances in Structural Engineering and Mechanics, Jeju, Korea
" *Shape Design of a Sheet Contour against Concurrent Criteria*"
- WCSMO10 **19 - 24 May 2013**
10th World Congress on Structural and Multidisciplinary Optimization, Orlando- FL, USA
" *Concurrent Optimization of Springback and Failure in Stamping Processes*"
- French-German University Summer school in Fluid Mechanics **23 - 28 September 2012**
"*Fluid Mechanics, Simulation and Optimization.*" Nice, France
- LEM3, ENSAM Metz and IUL, TU Dortmund Summer school **3 - 7 September 2012**
"*Hardening and Damage of materials under finite deformations; Dortmund, Germany*
Constitutive Modeling and numerical implementation."

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