



### **Brief Biography of Housseem CHEBBI for NDTonAir project**

**Position within NDTonAIR: ESR 2**

**Host Institution: CEA Saclay, Paris, France**

**PhD Enrolment: Paris Saclay University**

My name is **Housseem CHEBBI**, originally from Tunisia. At the present moment, I'm a PhD student at CEA Saclay. My project is within the NDTonAIR European project and it is untitled ***Curvilinear Coordinates Transform Method for electromagnetic modeling of stratified complex structures: application to Eddy Current analysis of composite materials in aeronautic.***

After succeeding my national exam for entering the Engineer school, I did Modeling for Industries and Services, studies based on applied mathematics at the National Engineer School of Tunis. In 2016, I moved to Paris to complete my modeling engineering studies at Ensta ParisTech and to do a Master degree in parallel specialized in Analysis, modeling and numerical simulations.

Concerning my professional experiences, my first internship was at Stelia Aerospace, a subcontracting for Airbus, during which I did some statistic studies to improve the quality of the production. My second internship was at ESI group and my mission was developing automotive procedure with Python software to validate each new version of their commercial software 'ProCAST'. My final year internship at Dassault Systems was about development of a mathematical approach for hyper reduction for multi-scale simulations applied for aeroacoustic test cases.

From my internships and some other academic projects oriented to do simulations for the aeronautic industry, I had acquired some knowledge in the aeronautic field by which I was passionated from a very young age. Besides, the NDT field is innovative one, scientifically interesting so it was obvious to me to continue a PhD degree in this field. Additionally, such european project will give me the opportunity to extend my scientific and personal knowledge. it is an opportunity to know people and exchange ideas, results and genuine know-how.

About my social activities and hobbies, I'm a former taekwondo athlete, a footballer. I held the position of a chief of the committee project for one of the clubs in my engineer school, where we worked on robotic projects and competition participation.

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