

# Elhoucine Hadden

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Grenoble, 12 May 2019

Application for the phd position "Advanced characterisation of next generation battery materials".

Dr Drew, Dr Sobrido,

I have recently been informed of the phd position "Exploring the impact of the industry 4.0 on the use of lasers in battery manufacture" available at Coventry in UK, and I attach to this letter my CV as part of my application for this role.

As can be seen in my CV, I have an experience in the growth and probing the structural / optical properties of Silicon based nanostructures. I also dedicated this ongoing year to study an other MSc at INP-Grenoble Phelma, one of the top ranked universities in materials science, in order to deepen my knowledge about Semiconductor physics and Photonics.

Next to a selection of the top ten among my colleagues of BSc in fundamental physics, I had the chance to join an MSc in Physics of Materials and Nano-structures designed for the top students at the Faculty of Sciences of Monastir in Tunisia. Next, I have joined directly the second year of Master in Physics of Semiconductors and Photonics at Grenoble-INP Phelma and currently doing my internship as part of a collaboration within the IRT Nanoélec large scale instruments characterization program between CEA LETI and ILL. I would like to introduce myself as a good listener and a good learner, good at mathematics and with advanced linguistic skills (IELTS: Level B2 / TCF: Level C1) which allows me to easily communicate and to effectively work in groups.

I have a keen interest in instrumentation, materials growth and characterization.

I think that my profile matches the Phd subject and that i have the required tools to start working on it. Hence, i hope to work on this topic and to be an effective part of your research group.

I've attached my resume, so you can see the projects i have worked on as well as more details. I am at your disposal for any further information by E-Mail: Elhoucine.hadden@hotmail.com, or by phone: 06 28 94 08 40.

I would be thrilled to be a part of your program, and i look forward to speaking with you soon.

Yours sincerely,



Elhoucine Hadden