



Amalie Paulsen &lt;jiaopaulsen@gmail.com&gt;

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## M1 internship and Litterature

1 meddelelse

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**Emmanuelle Jal** <emmanuelle.jal@sorbonne-universite.fr>

2. marts 2022 kl. 20.15

Til: Amalie Paulsen <jiaopaulsen@gmail.com>

Cc: Boris Vodungbo <boris.vodungbo@upmc.fr>

Dear Amalie,

I have the pleasure to confirm by email that we are offering you the M1 internship "Growth and magneto-optical characterization of magnetic thin films". I have created a shared dropSU folder here <https://dropsu.sorbonne-universite.fr/s/LtNoQwgxGZrHF8G>. Do not hesitate to use it for the paperwork too.

In this folder there is a biblio subfolder where you will find some pdf of books, one PhD and M1 internship report and some articles. For the book, you can also borrow them at the library if you prefer. You do not have to read all of them entirely!

For magnetism, I think it is good to begin with the book of Blundell with Chapter 1, 2, 3.1, 4, 5, for an overview of magnetism. Then you can read the first part of Tremolet's book and specifically the chapter 5, 6, 8, 13, and continue with the 2nd book of Tremolet with chapter 20 and 21.

You can also read some review which are less pedagogical but at the state of the art of the research. There is one on magnetic anisotropy in metallic multilayers (Johnson) and one about ultrafast optical manipulation (Kirilyuk).

For Magnetron sputtering, you can read the PhD of Mehre, chapter 2.1 and/or the review article of Kelly. For MOKE you can read the M1 internship report of Yvette and/or the article of Polisetty.

If you have some questions, do not hesitate to ask and pass by the lab to talk about it.

For the paperwork, as soon as you have the precise date, I can take care of the financial part with our secretary, but you have to take care about the internship agreement or "convention de stage" with the secretary of your Master.

Best,  
Emmanuelle

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Emmanuelle Jal

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