

PhD position at Monash University (Australia)

My research focuses on utilizing either thin film growth techniques or application of external electric fields to control the magnetic or electronic properties of advanced functional materials. For instance, I am particularly interested in the electronic modifications in materials resulting from very large electric fields applied during liquid electrolyte gating and how to utilize these changes to make novel computing devices. I also study magnetic thin films for spintronic applications (such as magnetic data storage), where I use disorder and nanostructuring to control the properties. You can find more details about my work here: <https://karel-lab.com>

I'm located within the Materials Science and Engineering Department at Monash University (Melbourne, Australia <https://www.monash.edu/engineering/departments/materials>). Monash is one of the best universities in Australia and ranked among the top 50 globally. The PhD program is 3 years; it is research-focused with very little coursework. Scholarships are available (next deadline is May 31). I'm happy to answer any other questions about my work, the PhD program or Melbourne in general.

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