

ROSS WARREN

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EDUCATION

DPhil (PhD) in Physics University of Oxford, UK	<i>2020</i>
Masters (MRes) in Plastic Electronics - Distinction Imperial College London, UK	<i>2016</i>
MSci (Hons) in Physics - First Class Imperial College London, UK	<i>2013</i>

RESEARCH EXPERIENCE AND SKILLS

Research Associate in Physics Jenny Nelson Group, Imperial College London, UK	<i>March 2020 - present</i>
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- Building on successful results obtained during my PhD.
- Scripting in bash and python for quantum chemical calculations and Monte Carlo simulations.

Visiting Researcher in Chemical Engineering Hitosugi Group, Tokyo Institute of Technology, Japan	<i>Oct. 2019 - Jan 2020</i>
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Graduate Student in Physics Advanced Functional Materials and Devices Lab, University of Oxford, UK	<i>2016 - 2020</i>
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- Expertise: in molecular doping, organic transistors and electrical measurements.
- Python: modelling, data analysis, data visualisation and software for experimentation.
- Presentations: to research groups and at conferences, including International Symposium on Functional π -Electron Systems (2019), the biggest conference in the field.
- Teaching: tutor in analogue electronics. Senior demonstrator for the undergraduate electronics lab.
- Managing: physics undergraduate summer project developing lab software.

Undergraduate Research Assistant in Materials Ecole Polytechnique Fédérale de Lausanne, Switzerland	<i>Summer 2012</i>
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EXPERIENCE IN INDUSTRY

Marine Field Geophysicist Schlumberger, Canada and United States	<i>2013 - 2015</i>
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- Responsibilities included overseeing the operation of the seismic survey ensuring that acquired data adhered to sound geophysical principles and conformed to survey specifications.
- Data analysis to determine if operationally efficient acquisition techniques are impacting the acquired seismic data quality.

AWARDS

International Exchange Scholarship	<i>2019</i>
Plastic Electronics Symposium Poster Award	<i>2018</i>
Hackathon Win - African Healthcare, Google Campus London	<i>2017</i>

SELECTED PUBLICATIONS

Warren R. *et al.* Controlling energy levels and Fermi level en route to fully tailored energetics in organic semiconductors Nature Communications **10**, 5538 (2019)

Warren R. *et al.* Tuning the ambipolar behaviour of organic field effect transistors via band engineering. AIP Advances **9**, 035202 (2019)