

## SEPnet SME-DTN and GRADnet Training Day: 19 June 2024 at International Students House, 229 Great Portland Street, London, W1W 5PN

**Who:** Postgraduate and postdoctoral researchers working in physical sciences.

**What:** 1-day interactive workshop 3 sessions running in parallel: Presentation Skills; Persuading & Influencing and Python/Data Analysis. Choose 2 from 3.

**When:** Wednesday, 19 June 2024, 10:00-17:30.

**Where:** 229 Great Portland Street, London, W1W 5PN

**No:** 60

The SEPnet SME-DTN funded by Research England Development Fund in collaboration with GRADnet is pleased to offer a training day for the SME-DTN cohort and the SEPnet wider community. There will be 3 sessions on offer running in parallel am and pm. Delegates to choose 2 from 3 sessions.

**Short talk, Lasting impression by Dr Jamie Gallagher:** Being able to describe what you do, and why, is an essential skill for any researcher. Our trainer is a Science Communicator and previous international 3MT winner who will show researchers how to turn research into the most interesting, engaging and memorable presentation possible. Discover the hints and tips that will make their talk stand out from the crowd, understand the use of body language and visualisation in presenting, how to banish nerves and engage your audience to give a confident performance.

**Skills for life by Julia Shalet, Product Doctor:** Persuasion is all about swaying the opinions of others and influencing is how you motivate them to act, without coercion! The goal of this session is for you to feel comfortable, confident and in control when trying to persuade and influence others. We'll work through a simple process that you can apply to any situation and explore a model to help you vary your style to suit different personality types.

**Python/Data Analysis by Dr Tim Kinnear, University of Kent:** The ability to interact with data and to present data in a way which communicates understanding about those data is a vital part of research science. This workshop aims to provide an opportunity to work with some example datasets and use guided programming in Python to access, process and produce plots of these data, with a goal of discovering features worth exploring and determining how to explore those features. This is intended to help one develop skills in approaches to working with diverse data and understanding how to effectively use Python for such investigations in a way which should be able to be transferred to one's own work. A laptop and installation of Python is required. The suggested distribution of Python is Anaconda: [\\_https://www.anaconda.com/download](https://www.anaconda.com/download).

This event is free (the SME-DTN funded by Research England Development Fund) pays for your refreshments and course fees) for SEPnet postgraduate researchers and you should be able to claim for your travel expenses either from your department or RTSG. If in doubt, please ask your department about the arrangements for claiming for your travel.

Register [here](#) by 5 June 2024.

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## Public Lecture: Condensed Matter in the City 2024

You are cordially invited to attend a public lecture on the secret life of electrons. Ali Yazdani, co-Director of the Quantum Initiative at Princeton University will speak about the challenges, the science and the technological potential of quantum materials. He is well known for his work on high temperature superconductors, topological insulators and the hunt for the mysterious Majorana fermion.

All welcome. To register scan QR code or visit <https://bit.ly/YazdaniQuantumTalk2024>

**Who:** This Public talk is open to all, including school students , UG and PG students etc.

**What:** Prof Ali Yazdani (Princeton – Co-director of Princeton Quantum Initiative): **“Peering into the secret life of electrons”**

**When:** 19:00 on Weds 05 June 2024

**Where:** Clore Lecture Theatre, Huxley Building, Imperial College London

Please register (free!) at this Eventbrite link:

<https://www.eventbrite.co.uk/e/public-lecture-peering-into-the-secret-life-of-electrons-registration-898737717707>

Contact: Andrew Ho, Royal Holloway University of London: [Andrew.Ho@rhul.ac.uk](mailto:Andrew.Ho@rhul.ac.uk)

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## Condensed Matter Physics in the City 2024: “Bridging Theory, Experiment and Computational Innovation in Quantum Materials”

**Who:** PG students, postdoc, staff, etc

**What:** Condensed Matter Physics in the City 2024: “Bridging Theory, Experiment and Computational Innovation in Quantum Materials”

**When:** Monday 3 June – Friday 7 June 2024

**Where:** Roberts Building LT421, University College London

Please register at this link:

<https://research.kent.ac.uk/pqm/cmcity24/>

Condensed Matter Physics in the City 2024 (CMPCity 2024) is scheduled to take place in central London premises on June 3-7 2024 under the heading “Bridging Theory, Experiment and Computational Innovation in Quantum Materials”, to foster the dialogue on new cross-disciplinary synergies between theory, experiment and computational approaches to quantum matter. The meeting will expose many extraordinary recent experimental discoveries, such as the fractional quantum Hall effect in the absence of a field in twisted bilayer MoTe<sub>2</sub>, novel families of flat band materials and new kinds of superconductivity.

**Confirmed Speakers:**

- Peter Abbamonte (UIUC)
- Cristian Batista (U Tennessee)
- Manuel Brando (MPIcPFS, Dresden)
- Amalia Coldea (Oxford)
- Seamus Davis (Oxford)
- Roderich Moessner (MPIKS, Dresden)
- Satoru Nakatsuji (U Tokyo)
- Johnpierre Paglione (U. Maryland)
- Philip Phillips (UIUC)
- Frank Pollmann (TU Munich)
- Hannah Price (Birmingham)
- Alexei Tsvetik (BNL)
- Suchitra Sebastian (Cambridge)
- Kai Sun (U. Michigan)
- Ali Yazdani (Princeton)

In addition to the scientific program, we will organise a public evening lecture on Wednesday 5th June 2024, which will be delivered by Prof. Ali Yazdani from Princeton – for further details see the [eventbrite entry](#).

This CMPCity series is organised annually by the [Hubbard Theory Consortium](#) (formed by Imperial College London, University College London, the University of Kent and Royal Holloway University of London). We gratefully acknowledge support by the [Institute of Complex Adaptive Matter](#)(ICAM) and the Institute of Physics.

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