

ePSIC HyperSpy workshop 2023

*All times in UK time zone (BST) *

Friday, May 19th

11:00 – 12:00	Optional preparation session (to help with python package installations and testing ahead of the event)		
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Monday, May 22nd

13:00 - 13:15	Welcome / setting up		
13:15 – 13:45	What is HyperSpy?	Talk	Francisco de la Peña
13:45 – 14:45	A practical introduction to Python/HyperSpy I	Practical	Mohsen Danaie / Eric Prestat
14:45 – 15:00	Coffee break		
15:00 – 16:30	A practical introduction to Python/HyperSpy II	Practical	Mohsen Danaie / Eric Prestat
16:30 – 16:45	Q&A		

Tuesday, May 23rd

10:30– 11:00	Model Fitting Introduction	Talk	Francisco de la Peña
11:00– 12:00	Model Fitting	Practical	Francisco de la Peña
12:00– 13:00	Break		
13:00 – 13.30	Machine Learning Introduction	Talk	Francisco de la Peña
13:30 – 14:30	Machine Learning	Practical	Francisco de la Peña
14:30 – 14:45	Coffee break		
14:45 – 16:30	Introduction to abTEM	Practical	Jacob Madsen
16:30 – 16:45	Q&A		

Wednesday, May 24th

10:30– 12:00	Big data and lazy signals (Including use of dask-distributed dashboard)	Practical	Magnus Nord
12:00– 13:00	Break		
13:00 – 14:15	EELS Analysis in HyperSpy	Practical	Magnus Nord
14:15 – 14:30	Coffee break		
14:30 – 16:30	Introduction to Py4DSTEM	Practical	Stephanie Ribet
16:30 – 16:45	Q&A		

Thursday, May 25th

10:30-11:00	EDX Analysis	Talk	Kate MacArthur
11:00 – 12:00	EDX Analysis in HyperSpy	Practical	Kate MacArthur
12:00-13:00	Break		
13:00 – 13:45	atomap	Practical	Magnus Nord
13:45– 14:30	ParticleSpy	Practical	Tom Slater
14:30 – 14:45	Coffee break		
14:45 – 16:30	SED analysis with PyXem	Practical	Carter Francis
16:30-16:45	Q&A		

Friday, May 26th

10:30– 11:30	Example Data Analysis with Python libraries	Practical	Jacob Madsen
11:30– 12:00	How to make publication quality plots with matplotlib?	Practical	Magnus Nord
12:00– 13:00	Break		
13:00 – 13:45	Research / Application talk	Talk	TBC
13:45– 14:15	HyperSpy Community / Where to get help!	Talk	Francisco de la Peña / Eric Prestat
14:15 – 14:30	Coffee break		
14:30 – 16:00	Bring Your Own Data!	Practical / Zoom break- out Rooms	All
16:00 – 16:30	Data analysis workflows at ePSIC	Talk	Mohsen Danaie
16:30– 16:45	Q&A – Closing remarks		