

## ePSIC HyperSpy workshop 2022

\*All times in UK time zone (BST) \*

### Friday, May 6<sup>th</sup>

11:00 - Noon	Optional preparation session (to help with HyperSpy installations and testing ahead of the event)
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### Monday, May 9<sup>th</sup>

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	TBC
14:45 – 15:00	Coffee break		
15:00 – 16:30	A practical introduction to Python/HyperSpy II	Practical	TBC
16:30 – 16:45	Q&A		

### Tuesday, May 10<sup>th</sup>

10:30-11:00	Model Fitting Introduction	Talk	Francisco de la Peña
11:00-12:00	Model Fitting	Practical	Francisco de la Peña
11:30-13:00	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 11<sup>th</sup>

10:30-12:00	Big data and lazy signals	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 – 15:30	How to make publication quality plots with matplotlib?	Practical	Magnus Nord
15:30 – 16:15	Example Data Analysis with Python libraries	Practical	TBC
16:15 – 16:30	Q&A		

### Thursday, May 12<sup>th</sup>

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 – 14:30	Multiframe EDX application talk	Talk	Kate MacArthur
14:30 – 14:45	Coffee break		
14:45 – 15:45	Atomap	Practical	Magnus Nord
15:45 – 16:30	ParticleSpy	Practical	Tom Slater
16:30-16:45	Q&A		

**Friday, May 13<sup>th</sup>**

10:30-12:00	SED Analysis with PyXem	Practical	Phillip Crout
12:00-13:00	Break		
13:00 – 13:45	ParticleSpy application talk	Talk	Tom Slater
13:45-14:15	HyperSpy Community	Talk	TBC
14:15 – 14:30	Coffee break		
14:30 – 15:00	User data analysis at ePSIC	Talk	MD / CSA
15:00 – 16:00	PyXEM – SED Application talk	Talk	Carter Francis ( <b>GMT – 6</b> )
16:00-16:30	Q&A – Closing remarks		