ePSIC HyperSpy workshop 2022
*All times in UK time zone (BST) *

Friday, May 6th

11:00 - Noon	Optional preparation session (to help with HyperSpy installations and testing ahead of the event)

Monday, May 9th

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 10th

10:30-11:30	ParticleSpy application talk	Talk	Tom Slater
11:30-13:00	Break		
13:00 – 13.30	Model Fitting Introduction	Talk	Francisco de la Peña
13:30 – 14:30	Model Fitting	Practical	Francisco de la Peña
14:30 – 14:45	Coffee break		
14:45 – 15:15	Machine Learning Introduction	Talk	Francisco de la Peña
15:15 – 16:30	Machine Learning	Practical	Francisco de la Peña
16:30 – 16:45	Q&A		

Wednesday, May 11th

10:30-12:00	Introduction to abTEM	Practical	Jacob Madsen
12:00-13:00	Break		
13:00 – 14:15	Big data and lazy signals	Practical	Magnus Nord
14:15 – 14:30	Coffee break		
14:30 – 15:30	EELS Analysis in HyperSpy	Practical	Magnus Nord
15:30 – 16:15	How to make publication quality plots with matplotlib?	Practical	Magnus Nord
16:15 – 16:30	Q&A		

Thursday, May 12th

10:30-12:00	Multi-frame EDX application talk	Talk	Kate MacArthur
12:00-13:00	Break		
13:00 – 13:30	EDX Analysis	Talk	Kate MacArthur
13:30-14:45	EDX Analysis in HyperSpy	Practical	Kate MacArthur
14:45 – 15:00	Coffee break		
15:00 – 15:45	Atomap	Practical	Magnus Nord
15:45 – 16:30	ParticleSpy	Practical	Tom Slater
16:30-16:45	Q&A		

Friday, May 13th

10:30-12:00	SED Analysis with PyXem	Practical	Phillip Crout
12:00-13:00	Break		
13:00 – 13:45	Example Data Analysis with Python libraries	Practical	TBC
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 **(GMT – 6)**
16:00-16:30	Q&A – Closing remarks		