



On-site EPICS Programmers Course
Diamond Light Source
12th February – 16th February 2024

Day	Times	Agenda	Mins	Lecturer
Monday 12th Feb. PM	1.30 – 1.45	Introduction to the course	15	Andy
	1.45 – 2.45	Introduction to EPICS	60	Andy
	2.45 – 3.00	Break	15	
	3.00 – 3.30	Application Development (some hands-on)	30	Andy
	3.30 – 3.40	Break	10	
	3.40 – 4.35	Database I	55	Emma
Tuesday 13th Feb. AM	9.30 - 10.15	Graphical User Interface (EDM) (hands-on)	45	Emma
	10.15 - 10.25	Break	10	
	10.25 – 11.00	VDCT (hands-on)	35	Emma
	11.00 – 12.30	Exercises 1 & 2	90	
Tuesday 13th Feb. PM	1.30 – 2.30	EPICS Database II	60	Andy
	2.30 – 3.30	Exercises 1 & 2	60	
	3.30 – 3.50	IOC Configuration & Start-up	20	Emma
	3.50 – 4.10	Debugging EPICS Applications	20	Andy
	4.10 – 5.00	Exercises 3 & 4	50	
Wednesday 14th Feb. AM	9.30 – 10.15	Channel Access	45	Andy
	10.15 – 10.40	Python Interface to Channel Access	25	Emma
	10.40 - 12.00	Exercises 3 & 4	80	
	12.00 – 12.45	Device Support & Asyn	45	Andy
Wednesday 14th Feb. PM	1.45 – 2.15	StreamDevice	30	Emma
	2.15 – 4.00	Exercise 5	105	
	4.00 - 4.30	CSS BOY & Archive Viewer (hands-on)	30	Emma

Day	Times	Agenda	Mins	Lecturer
Thursday 15th Feb. AM	9.30 – 10.00	Asyn Port Driver	30	Andy
	10.00 - 10.15	Break	15	
	10.15 – 10.40	Custom Records	25	Andy
	10.40 – 12.30	Exercise 6	110	
Thursday 15th Feb. PM	1.30 – 2.00	State Notation language	30	Emma
	2.00 – 4.00	Exercise 7	120	
	4.00 – 4.30	CA Gateway	30	Emma
Friday 16th Feb. AM	9.30 – 9.55	Motor Support	25	Andy
	9.55 – 10.10	Break	15	
	10.10 – 10.55	Motor Record Configuration	45	Andy
	10.55 – 12.30	Exercise 8	95	
Friday 16th Feb. PM	1.30 – 2.05	areaDetector	35	Emma
	2.05 – 3.00	Exercise 9	55	