## Erice 2018 ELECTRON CRYSTALLOGRAPHY Course schedule

	Saturday 2 June	Sunday 3 June		Monday 4 June	Tuesday 5 June		Wednesday 6 June		Thursday 7 June	Friday 8 June		Saturday 9 June	
9:00-9:45	ntroduction (Annalisa, Paola, Joke Hadermann:Introduction t		:Introduction to	Philip Nakashima: Quantitative			Laurie Marks: Transmission		Tatiana Gorelik: Pair	Louisa Meshi: Sample		Workshop:	Workshop:
	Erin, Joke, Lukas, Andy)	space group symmetry		convergent beam electron	refinement by least squares		electron microscopy and high-		Distribution functions	preparation for	various imaging	Interpretation	Parallel session
		, ,,		diffraction			resolution TEM			and diffraction	n techniques	and simulations	Interpretation
												STEM	and simulations
												(Christophe	HRTEM (Laurie
9:45-10:30	Joke Hadermann: Fundamental Ute Kolb: Spot Diffraction and		Philip Nakashima: Quantitative	Peter Müller: Crystal structure		Laurie Marks: Transmission		Alexander Eggeman: Scanning	Ray Withers: Diffuse scattering		Koch)	Marks)	
	Crystallography essential for			convergent beam electron	refinement by least squares		electron microscopy and high-		diffraction techniques				
	TEM users	Diffraction Tomography		diffraction			resolution TEM						
10:30-11:00	Coffee Break	Coffee Break		Coffee Break	Coffee Break		Coffee Break		Coffee Break	Coffee Break		Coffee	Break
11:00-11::45	Jan Pieter Abrahams: General			Damien Jacob: Symmetry	Lukas Palatinus: Crystal structure		Christoph Koch: Scanning		Andrew Stewart: Electron	Xiaodong Zou: Combination of		Workshop:	Workshop:
11.00 1143	theory of diffraction	processing for crystallographic		determination by convergent	refinement from specifically		transmission electron		diffraction from soft matter	electron diffraction with powder		Serial Electron	Dynamical
	application			beam electron diffraction			microscopy			diffraction		Diffraction (Stef	refinement
				kinematic and dynami		and dynamic						Smeets)	from ED (Lukas)
					trea	tment							
11:45-12:30	Jan Pieter Abrahams: General	Lukas Palatinus: Crystal Structure		Damien Jacob: Symmetry	Lukas Palatinus:	Crystal structure	· · · · · · · · · · · · · · · · · · ·		Quentin Ramasse:	Jan Pieter Abrahams: Diffraction			
	theory of diffraction	solution methods		determination by convergent	refinement from specifically		transmission electron		Spectroscopic techniques	tomography of proteins			
				beam electron diffraction	electron diffraction data: kinematic and dynamic treatment		microscopy						
12:30-14:30	Lunch	Lur		Excursion	Lunch		Lunch		Excursion	Lunch		Lunch	
14:30-15:15	Dirk Van Dyck: Dynamical	Workshop:	Workshop:		Workshop:	Workshop:	Workshop:	Workshop:		Workshop:	Workshop:	Workshop:	Workshop:
	diffraction theory	Electron	Automated		Crystal	Structure	Structure	Crystal		Parallel session	Interpretation	Serial Electron	Pair distribution
		diffraction	Electron		structure	solution and	solution and	structure		Interpretation	and simulations	Diffraction	function
		tomography	diffraction		refinement by	kinematical	kinematical	refinement by		and simulations	STEM	(Xiaodong Zou)	analysis
15:15-16:00	Dirk Van Dyck: Dynamical	(Lukas)	tomography (Andy)		Peter Muller	refinement (Lukas)	refinement (Lukas)	Peter Muller		HRTEM (Laurie Marks)	(Christophe Koch)		(Tatyana Gorelik)
15:15-16:00	diffraction theory		(Alluy)			(Lukas)	(Lukas)			ividi K3)	Rocity		Gorelik)
	diffraction theory												
16:00-16:30	Coffee Break	Coffee Break			Coffee Break		Coffee Break			Coffee Break		Coffee Break	
16:30-17:15	Fundamental crystallography	Workshop:	Workshop:		Workshop:	Workshop:	Workshop:	Worshop:		Workshop:	Workshop:		f Electron
	and indexing (exercises on	Automated	Electron		Quantitative	Qualitative	Qualitative	Quantitative		Dynamical	Pair distribution	Crystallograp	hy Discussion
	paper) (Joke and Louisa)	Electron	diffraction		CBED (Philip	CBED:	CBED:	CBED (Philip		refinement	function		
		diffraction	tomography		Nakashima)	symmetry	symmetry	Nakashima)		from ED (Lukas)	analysis		
47.45.40.00	W 11 : 1 : 1	tomography	(Lukas)			determination	determination				(Tatyana	GI .	D 1
17:15-18:00	Workshop introduction and	(Andy)				(Damien Jacob)	(Damien Jacob)				Gorelik)	Closing	Remarks
	signup												
18:00-18:30	Introduction to Erice (Martin Schmidt)		ession 1				Poster Session 2		1				
							1						
20:00	Sicilian Dinner								1			Farewell Party	