

Erice 2011 Programme: The Power of Powder Diffraction [version of 24th May 2011]

Erice, Italy : June 2 (arrival day) to June 12 (departure day), 2011

	Fri June 3	Sat June 4	Sun June 5	Mon June 6	Tue June 7	Wed June 8	Thu June 9	Fri June 10	Sat June 11
Time	Fundamentals	Instrumentation at the Frontiers	Structure Solution Sunday	Big Challenges	Powder Plus	Less than Perfect	Quantitative	Texture: Friend and Foe	Crystal-ball- gazing
9.00 - 9.50	9.00 Paola Spadon Welcome John Irwin & al. Instructions on Workshops, etc	Pamela Whitfield Laboratory X-ray Diffraction	Carmelo Giacovazzo Structure solution using direct methods	Jon Wright Proteins and Powders – Technical Developments	Christian Baerlocher Combination of X-ray powder diffraction, electron diffraction and HRTEM data (Time change: 8.45-9.35)	Matteo Leoni Information on Imperfections	Ian Madsen Quantitative phase analysis: introduction and standards	Bob von Dreele Texture – An Overview	Selected contributions
9.50 – 10.40	9.15 Bill David and Ute Kolb PD and EC Powder and Electron diffraction - by decades	Fabia Gozzo Synchrotron X-ray Diffraction	Chris Gilmore Structure solution using maximum entropy methods	Irene Margiolaki Proteins and Powders – An Overview	Yaroslav Filinchuk <i>In-situ</i> Powder Diffraction	Tamas Ungar Whose Fault is it?	Arnt Kern Quantifying Amorphous Phases	Christian Baerlocher Using Texture for Structure Solution	
10.40 –11.00	Coffee	Coffee (with Tutor A)	Coffee	Coffee (with Tutor A)	Coffee	Coffee (with Tutor B)	Coffee (with Tutor B)	Coffee	Coffee
11.00 – 11.50	Kenneth Shankland Data Collection – Good Practices	Laurent Chapon Neutron Powder Diffraction	Lukas Palatinus Structure solution using charge flipping	Joel Bernstein Pharmaceuticals and Powders – An Overview	Laurent Chapon Powder Diffraction and Magnetism	Simon Billinge Pair Distribution Function Analysis	Luca Lutterotti Quantitative phase analysis: method developments	Gilberto Artioli Cultural Heritage	Selected contributions
11.50 – 12.40	Peter Stephens Indexing	Andy Fitch Ultrafast Powder Diffraction	Kenneth Shankland Structure solution via global optimisation methods	Bill David Parametric Powder Diffraction	Lubo Smrcek Powder diffraction and Computational Methods	Yuri Andreev Debye Analysis	Excursion 2	Xun-Li Wang From railway lines to Airbus wings	
12.40 – 14:30	Lunch	Lunch while “watching” Poster Session 1	Lunch (with Tutor A)	Lunch during EXCURSION 1	Lunch while “watching” Poster Session 2	Lunch	Lunch during EXCURSION 2	Lunch (with Tutor B)	Lunch
14:30 – 15.20	Peter Stephens Rietveld Refinement	Colin Pulham Taking it to extremes	DEMO Angela Altomare Introduction to EXPO	Short boat trip. Extensive walk Mothia Island, Phoenician Archaeology or (free choice) Trapani beach	DEMO Kenneth Shankland / Bill David DASH	DEMO Simon Billinge PDFgetX2	EXC 2 to Selinunte + Segesta, Greek archaeology, or (free choice) S Vito lo Capo beach	DEMO Luca Lutterotti Introduction to MAUD	Robert Dinnibier The Future of Laboratory Powder Diffraction
15:20 – 16.10	Lynne McCusker Structure solution overview	DEMO Laurent Chapon Introduction to FullProf	DEMO Radovan Cerny FOX	EXC 1	DEMO Lukas Palatinus Introduction to SUPERFLIP	DEMO Matteo Leoni WPPM	EXC 2	Student Corner	Lynne McCusker Old ideas – new opportunities:
16.10 –16.40	Coffee	Coffee	Coffee	EXC 1	Coffee.	Coffee	EXC 2	Coffee	Coffee
16.40 – 17.30	Radovan Cerny Inorganic Materials	DEMO Bob VonDreele Introduction to GSAS	WORKSHOP Angela Altomare EXPO	EXC 1	WORKSHOP Kenneth Shankland / Bill David DASH	WORKSHOP Arnt Kern / Robert Dinnebier TOPAS	EXC 2	WORKSHOP Luca Lutterotti MAUD (texture & size/strain)	Kenneth Shankland The Future Role of Computing – from Prediction to Automation
17.30 – 18:20	Kenneth Shankland Organic Materials	WORKSHOP Laurent Chapon : Fullprof	WORKSHOP Radovan Cerny FOX	EXC 1	WORKSHOP Lukas Palatinus SUPERFLIP	WORKSHOP Simon Billinge PDFgetX2 WORKSHOP Matteo Leoni WPPM	EXC 2	WORKSHOP Ian Madsen QPA using TOPAS	Bill David What does the future hold?
18.20 - 19:20	Meeting tutors (until 19:20)	WORKSHOP Bob VonDreele: GSAS	Poster session 1 (odd numbers) in San Francesco Court	Return to Erice at 19 00	DEMO Arnt Kern/ Robert Dinnebier Introduction to TOPAS	Poster Session 2 (even numbers)in San Francesco Court	EXC 2	WORKSHOP Bob VonDreele Texture in GSAS	
20.00	19.30-20.00 Celebrating Lodovico (S. Domenico) 20.00 Welcome Buffet & Sicilian Evening (S. Francesco)	Dinner	Pasta party (at S. Francesco)	Dinner	Dinner	Pizza party (at S. Francesco)	Dinner in front of the Segesta Temple	Dinner	Goodbye Buffet Dinner