

Electron Microscopy  
Spring School 2008

The University of Oxford  
14 – 18 April 2008

Programme Booklet



Organisers: Crispin Hetherington  
Pippa Hawes

Spring School in Electron Microscopy  
Physical Module - Introductory

Monday 14 <sup>th</sup> April			Department of Materials
0830	<b>Transport to Department of Materials</b>		
0900	<b>Registration</b>	RMS	Hume-Rothery meeting room
0930	<b>Opening remarks</b>	David Cockayne Crispin Hetherington	Hume-Rothery Lecture Theatre (HRLT)
1000	<b>Optics</b>	Peter Evennett	HRLT
1100	<b>Coffee</b>		Holder Cafe
1130	<b>TEM I</b>	Mike Jenkins	HRLT
1230	<b>Lunch</b>		Holder Cafe
1330	<b>SEM I</b>	Tony Kendrick	HRLT
1430	<b>General Demo</b>		Holder EM area
1530	<b>Tea</b>		Holder Cafe
1600	<b>General Demo</b>		Holder EM Area
1700	<b>Diffraction</b>	Peter Evennett	IEB
1815	<b>Close</b>		
1830	<b>Dinner</b>		University Club
Tuesday 15 <sup>th</sup> April			Department of Materials
0900	<b>TEM II</b>	Mike Jenkins	HRLT
1000	<b>TEM III or practical</b>	Mike Jenkins	HRLT
1100	<b>Coffee</b>		Holder Cafe
1130	<b>TEM practical</b>		Holder EM Area
1230	<b>Lunch</b>		Holder Cafe
1330	<b>SEM II</b>	Tony Kendrick	HRLT
1430	<b>SEM III or practical</b>	Tony Kendrick	HRLT

1530	<b>Tea</b>		Holder Cafe
1600	<b>SEM practical</b>		Holder EM Area
1700	<b>Close</b>		
1800	<b>Tour of Museum of Science with wine reception</b>		Broad St
1930	<b>Dinner</b>		University Club
<b>Wednesday 16<sup>th</sup> April</b>			Begbroke
0830	<b>Transport to Begbroke</b>		From Hotel
0900	<b>E-SEM</b>	Debbie Stokes	Begbroke Oxford room
0945	<b>Aberration correction</b>	John Hutchison	Oxford room
1030	<b>Coffee</b>		Oxford room
1100	<b>Forensics and project-based microscopy</b>	Alison Crossley	Oxford room
1145	<b>FIB</b>	Tony Kendrick	Oxford room
1230	<b>lunch</b>		Oxford room
1330	<b>Begbroke tour</b>		
1430	<b>leave for punting</b>		
1500	<b>punt then free time</b>		
<b>Thursday 17<sup>th</sup> April</b>			Department of Materials
0900	<b>Specimen preparation</b>	Yau Yau Tse	HRLT
1000	<b>EDX</b>	John Titchmarsh	HRLT
1100	<b>Coffee</b>		Holder Cafe
1130	<b>Specimen preparation tour</b>		Holder EM area
1230	<b>Lunch</b>		Holder Cafe
1330	<b>EDX practical</b>		Holder EM area
1430	<b>EDX practical</b>		Holder EM area
1530	<b>Tea</b>		Holder Cafe

1600	<b>Further Practicals</b>		Holder EM area
1700	<b>Close</b>		
1730	<b>AGM - RMS EM Section Meeting</b>		HRLT
1730	<b>Wine reception</b>		Holder cafe
1830	<b>EM Annual Lecture</b>		HRLT
2000	<b>Course Dinner</b>		Browns Restaurant

<b>Friday 18<sup>th</sup> April</b>			Department of Materials
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0900	<b>Image acquisition and recording</b>	Neil Wilkinson	HRLT
1000	<b>Image processing</b>	John Hutchison Crispin Hetherington	
1100	<b>Coffee</b>		Holder
1130 – 1230	<b>Closing remarks, discussion and end of course</b>	Crispin Hetherington	HRLT

Spring School in Electron Microscopy  
Physical Module - Advanced

Monday 14 <sup>th</sup> April			Department of Materials
0830	<b>coach</b>		hotel
0900	<b>Registration</b>	RMS	Hume-Rothery meeting room
0930	<b>Opening remarks</b>	David Cockayne Crispin Hetherington	Hume-Rothery Lecture Theatre (HRLT)
1000	<b>Optics</b>	Peter Evennett	HRLT
1100	<b>Coffee</b>		Holder Cafe
1130	<b>TEM I</b>	Mike Jenkins	HRLT
1230	<b>Lunch</b>		Holder Cafe
1330	<b>SEM I</b>	Tony Kendrick	HRLT
1430	<b>General Demo</b>		Holder EM area
1530	<b>Tea</b>		Holder Cafe
1600	<b>General Demo</b>		Holder EM Area
1700	<b>Diffraction</b>	Peter Evennett	IEB
1800	<b>Close</b>		
1830	<b>Dinner</b>		University Club
Tuesday 15 <sup>th</sup> April			Department of Materials
0900	<b>HREM</b>	John Hutchison	21 Banbury Rd
1000	<b>STEM</b>	John Titchmarsh	21 Banbury Road
1100	<b>Coffee</b>		Holder Cafe
1130	<b>EBS</b>	Val Randle	21 Banbury Rd
1230	<b>Lunch</b>		Holder Cafe
1330	<b>EBS Practical</b>		Holder EM Area
1430	<b>HREM practical</b>		Holder EM Area

1530	<b>Tea</b>		Holder Café
1600	<b>STEM practical</b>		Holder EM Area
1700	<b>Close</b>		
1800	<b>Tour of Museum of Science with wine reception</b>		Broad St
1930	<b>Dinner</b>		University Club

### Wednesday 16<sup>th</sup> April

Begbroke

0830	<b>Transport to Begbroke</b>		hotel
0900	<b>E-SEM</b>	Debbie Stokes	Begbroke Oxford room
0945	<b>Aberration correction</b>	John Hutchison	Oxford room
1030	<b>Coffee</b>		Oxford room
1100	<b>Forensics and project-based microscopy</b>	Alison Crossley	Oxford room
1145	<b>FIB</b>	Tony Kendrick	Oxford room
1230	<b>lunch</b>		Oxford room
1330	<b>Begbroke tour</b>		
1430	<b>leave for punting</b>		
1500	<b>punt then free time</b>		

### Thursday 17<sup>th</sup> April

Department of Materials

0900	<b>Specimen preparation</b>	Yau Yau Tse	HRLT
1000	<b>EDX</b>	John Titchmarsh	HRLT
1100	<b>Coffee</b>		Holder Cafe
1130	<b>EELS</b>	Rik Brydson	HRLT
1230	<b>Lunch</b>		Holder Cafe
1330	<b>Specimen preparation tour</b>		Holder EM area
1430	<b>EELS practical</b>		Holder EM area
1530	<b>Tea</b>		Holder Cafe

1600	<b>EDX practical</b>		Holder EM area
1700	<b>Close</b>		
1730	<b>AGM - RMS EM Section Meeting</b>		HRLT
1730	<b>Wine Reception</b>		Holder Cafe
1830	<b>EM Annual Lecture</b>		HRLT
2000	<b>Course Dinner</b>		Browns restaurant

<b>Friday 18<sup>th</sup> April</b>			Department of Materials
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0900	<b>Image acquisition and recording</b>	Neil Wilkinson	HRLT
1000	<b>Image processing</b>	John Hutchison Crispin Hetherington	
1100	<b>Coffee</b>		Holder
1130 - 1230	<b>Closing remarks, discussion and end of course</b>	Crispin Hetherington	HRLT