



**H2020 TWINN Project**  
**Materials Networking Workshop & Summer School Cambridge 2017**  
**PROGRAMME**



## Sunday 16 July

**The Møller Centre**  
**Churchill College, Storey's Way, Cambridge CB3 0DE**  
**Phone: 01223 465500**

## Welcome to Cambridge

12.20	Transfer for those arriving from Barcelona ( <i>Ryanair FR9045 Barcelona to Stansted 10.50-12.20</i> ) Stansted Airport to 1) Churchill College Porters' Lodge for those staying at <b>Cowan Court</b> , Storey's Way, Cambridge CB3 0DE, next to 2) <b>The Møller Centre</b> , Churchill College, Storey's Way, Cambridge CB3 0DE	By taxi 50.5km (~45mins)
15.00	Transfer for those arriving from Sofia ( <i>Whizz Air W4303 Sofia to London Luton 13.05-14.30</i> ) Luton Airport to 1) Churchill College Porters' Lodge for those staying at <b>Cowan Court</b> , Storey's Way, Cambridge CB3 0DE, next to 2) <b>The Møller Centre</b> , Churchill College, Storey's Way, Cambridge CB3 0DE	By coach 65.4km (~1 hour) Coach company is RICHMOND'S +44 (0) 1763 848226
17.00	Meet at the The Møller Centre reception for Guided walk from The Møller Centre to Sidney Sussex College via the Backs (backs of the colleges) with Professor Lindsay Greer	~30-50 minutes on foot (2.5-3 km)
18.00-19.00	Welcome Lecture by Professor Lindsay Greer and pre-dinner drinks will be served in The Old Library, Sidney Sussex College Sidney St, Cambridge CB2 3HU	
19.00	Transfer from Sidney Sussex College to St John's Chop House, via The Round Church (The Church of the Holy Sepulchre) and Magdalene Bridge and College.	~10 minutes on foot (800 m)
19.30 for 19.45	Dinner at St John's Chop House ( <i>traditional Cambridge cuisine</i> ) 21-24 Northampton Street, Cambridge CB3 0DA	01223 353110
22.00	Transfer from St John's Chop House to The Møller Centre	~19 minutes on foot (1.6km)



## Monday 17 July, Study Centre 2, The Møller Centre

08.30-09.00	Registration at The Møller Centre and welcome coffee (staffed by Astrid Poncin)	
09.00-09.10	Welcome and Chair – <b>Dr Stoyan Smoukov</b> , Head of Active and Intelligent materials Laboratory, Department of Materials Science & Metallurgy	
09.10-09.50	<b>Professor Mike Cates</b> <i>Self-Propelled Colloids: Phase Separation and Self Assembly</i>	
09.50-10.30	<b>Dr Alex Routh</b> <i>Self assembly of colloidal dispersions</i>	
10.30-11.00	Coffee break	
11.00-11.50	<b>Professor Tony Cheetham</b> <i>Hybrid organic-inorganic perovskites for photovoltaics and other applications - the results of some international collaborations</i>	
11.50-12.30	<b>Dr James Elliott</b> <i>Computational Modelling of Powder Compaction and Flow</i>	
12.30-14.00	Buffet Lunch at The Møller Centre	
14.00	Walk to Department of Materials Science & Metallurgy 27 Charles Babbage Road, Cambridge CB3 0FS	~17 minutes on foot (1.4km)
14.30-16.30	<b>Grant/Fellowship applications</b> – tips and strategies to assist with obtaining funding for projects by Claire McGlynn Head of Impact Acceleration, Research Strategy Office <i>(Refreshments will be available at 3.30pm)</i>	A&B Meeting Room Department of Materials Science & Metallurgy
16.30-17.00	<b>Professor Sir Harry Bhadeshia</b> <i>Online Courses</i>	Room at DMSM
17:00-17.45	<i>DMSM Lab visit</i>	
18.30-19.00	Transfer from The Møller Centre to Punter	~19 minutes on foot (1.6km)
19.00-22.00	Informal supper at The Punter Pub No.3 Pound Hill, Cambridge CB3 0AE	01223 363322
22.00	Transfer from The Punter to The Møller Centre	~19 minutes on foot (1.6km)



## Tuesday 18 July, Study Centre 2, The Møller Centre

09.00-09.10	Chair – <b>Professor Mark Blamire</b> Head of the Department of Materials Science & Metallurgy	
09.10-09.50	<b>Professor Ruth Cameron</b> <i>Ice Templated Structures for Regenerative Medicine</i>	
09.50-10.30	<b>Professor Paul Midgley</b> <i>Multi-Dimensional Electron Microscopy</i>	
10.30-11.00	Coffee break	Meeting of Senior Scientists from University of Sofia with <b>Dr Tom Bennett</b>
11.00-11.50	<b>Professor Ray Goldstein</b> <i>Upside Down and Inside Out: The Biomechanics of Cell Sheet Folding</i>	
11.50-12.30	<b>Professor Clemens Kaminski</b> <i>Optical Superresolution Imaging</i>	
12.30-13.45	Buffet Lunch at The Møller Centre	
13.45-14.00	Walk to Department of Chemical Engineering and Biotechnology, West Cambridge Site, Philippa Fawcett Drive, CB3 0AS	~17 minutes on foot (1.4km)
14.00-15.00	Visit to Imaging Laboratories	Professor Clemens Kaminski
15.00-15.15	Transfer to Dept. of Chemistry, Lensfield Road, CB2 1EW	Coach (RICHMOND'S)
15.15-16.15	Tour of Bio-inspired Photonics Laboratory and The Melville Laboratory with Dr Silvia Vignolini	Dr Silvia Vignolini
16.15-16.30	Tea/Coffee	
16.15-17.00	Visit to the Grey Group laboratory with Dr Pieter Magusin	Dr Pieter Magusin
	Transfer to Sidney Sussex College	
19.00 - 22.00	Dinner at Sidney Sussex College <ul style="list-style-type: none"> <li>• 1900 Drinks in the William Mong garden or William Mong Hall (weather permitting)</li> <li>• 1930 Dinner in the Old Library</li> </ul>	Sidney St Cambridge CB2 3HU
22.00	Transfer from Sidney Sussex College to The Møller Centre	~29 minutes on foot (2.3km)

## Wednesday 19 July, Study Centre 2, The Møller Centre

09.00-09.10	Chair – <b>Professor Lindsay Greer</b> Head of School, School of Physical Sciences & Professor of Materials Science	
09.10-09.50	<b>Dr Peter Hedges</b> <i>Comparison between Research Office Operations of the Universities of Cambridge and Warwick</i>	
09.50-10.30	<b>Dr Vasant Kumar</b> <i>Big things come in small packages - shrinking the size of a sensor to expand its capability</i>	
10.30-11.00	Coffee break	
11.00-11.50	<b>Professor Chris Abell</b> <i>The University of Cambridge and its growing role in economic transformation</i>	
11.50-12.30	<b>Yupar Myint,</b> <i>Impulse for tech innovators, Maxwell Centre</i>	
12.30-14.00	Buffet Lunch at The Møller Centre	
13.00	Transport to Luton Airport ( <i>flight departs at 15.50</i> ) ( <i>Whizz Air W4306 London Luton to Sofia 15.50-21.00</i> )	By coach 65.4km (~1 hour) (RICHMOND'S)
13.30	Transport to Stansted Airport (flight departs at 16.10) ( <i>Ryanair FR9014 Stansted to Barcelona 16.10-19.25</i> )	By taxi 50.5km (~45mins)
14.30	Walk to Department of Materials Science & Metallurgy 27 Charles Babbage Road, Cambridge CB3 0FS	~17 minutes on foot (1.4km)
15.00-16.00	Meeting of Senior Scientists from the University of Sofia with <b>Dr Paul Bristowe</b> Department of Materials Science & Metallurgy	Coffee lounge

## Thursday 20 July

10.00-11.00	Meeting of Senior Scientists from the University of Sofia with <b>Professor Serena Best</b> Department of Materials Science & Metallurgy	Evetts meeting room
1400-1520	<b>Discussion with Professor Sir Harry Bhadeshia</b> Advisory work with MISIS, Moscow and the 5-100 programme	Evetts meeting room

1520-1640	<b>Discussion with Professor Lindsay Greer</b> Structure of Departments, Schools, allocation of funds and research assessments	Evetts meeting room
<b>Friday 21 July</b>		
TBC	Meeting of Senior Scientists from the University of Sofia with <b>Professor Chris Pickard</b> Department of Materials Science & Metallurgy	TBC
13.00	Taxi from The Porters' Lodge, Churchill College to Luton Airport ( <i>flight departs at 16.00</i> ) ( <i>Whizz Air W4306 London Luton to Sofia 16.00-21.10</i> )	By taxi 65.4km (~1 hour)

23/06/2017

Further information:-

**Professor Chris Abell** FRS, FMedSci

Pro-Vice-Chancellor - Research, Professor in Biological Chemistry, Co-founder of Astex Pharmaceuticals, Sphere Fluidics, and AQDOT

**Dr Tom Bennett**

Royal Society University Research Fellow, Department of Materials Science & Metallurgy

**Professor Serena Best**

Professor of Materials Science, Deputy Head of Department (Research), Department of Materials Science & Metallurgy

**Professor Sir Harry Bhadeshia** FRS, FEng, FNAE

Tata Steel Professor of Metallurgy, Department of Materials Science & Metallurgy

**Professor Mark Blamire**

Head of Department of Materials Science & Metallurgy and Professor of Device Materials

**Dr Paul Bristowe**

Reader in Computational Materials Science, Department of Materials Science & Metallurgy

**Professor Ruth Cameron** FInstP FIMMM

Professor of Materials Science, Tissue Engineering, Scaffolds and 3D Environments

**Professor Michael Cates FRS**

Lucasian Professor of Mathematics, Royal Society Research Professor and Head of Edwards Centre for Soft Matter

**Professor Anthony K Cheetham FRS**

Goldsmiths' Professor of Materials Science, Department of Materials Science & Metallurgy, University of Cambridge and Vice-President and Treasurer of the Royal Society

**Professor Ray Goldstein FRS FInstP**

Schlumberger Professor of Complex Physical Systems in the Department of Applied Mathematics and Theoretical Physics

**Professor A. Lindsay Greer FIMMM**

Head of School of the Physical Sciences and Professor of Materials Science, Department of Materials Science & Metallurgy

**Dr Peter Hedges**

Head of University Research Office, previously Director of Research Support Services (RSS) at the University of Warwick

**Professor Clemens Kaminski**

Professor of Chemical Physics, Department of Chemical Engineering and Biotechnology  
Director: EPSRC Centre for Doctoral Training in Sensor Technologies and Applications  
Director of CamBridgeSens

**Dr Vasant Kumar**

Reader in Materials Chemistry and Head of the Materials Chemistry Group, Department of Materials Science & Metallurgy

**Claire McGlynn**

Head of Impact Acceleration, Research Strategy Office

**Dr Pieter Magusin**

Senior researcher, solid-state NMR specialist and Laboratory Manager in the Grey Group.

**Professor Paul Midgley FRS**

Professor of Materials Science and Director of the Electron Microscopy Facility, Department of Materials Science & Metallurgy.

**Yupar Myint**

Head of Entrepreneurship Programme, Impulse - for tech innovators  
Maxwell Centre, formerly Director of International Business Development at Cambridge's Centre for Entrepreneurial Learning, CfEL



**Professor Chris Pickard**

Sir Alan Cottrell Professor of Materials Science  
Department of Materials Science & Metallurgy

**Dr Alex Routh**

Reader in Colloid Science, Department of Chemical Engineering and Biotechnology

**Dr Stoyan Smoukov**

Head of Active and Intelligent materials Laboratory, Department of Materials Science & Metallurgy

**Dr Rumen I Tomov**

Research Associate, Applied Superconductivity and Cryoscience Group, Department of Materials Science & Metallurgy

**Dr Silvia Vignolini**

Group Leader – Bio-inspired Photonics. Photo structure in Nature and Bio-mimetic Materials,  
Department of Chemistry

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