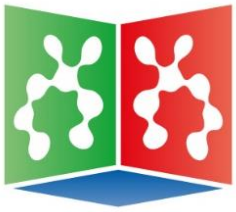
Summer School Agenda



HEL4CHIROLED

European ITN project

MARIE SKLODOWSKA-CURIE ACTIONS
Innovative Training Network (ITN)
H2020-MSCA-ITN-2019

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under the Marie Sklodowska-Curie grant agreement No 859752

Monday 4th July 2022

Time	Topic	Speaker
12:00 - 13:00	Welcome and lunch	
13:00 - 13:45	Spin relaxation in organic semiconductors	H. Sirringhaus FRS, Univ. Cambridge
13:45 - 14:15	Optical Spectroscopy through the Dimensions	R. Ingle, Univ. College London
14:15 - 14:45	CPL Laser Scanning Confocal Microscopy	R. Pal, UDUR
14:45 - 15:00	Spin Filtering in Supramolecular Polymers Assembled from Achiral Monomers Mediated by Chiral Solvents	M. Preuss (ESR6), TUE
15:00 - 15:30	Coffee break	
15:30 - 16:00	Design of High Performance Organic TADF Emitters for OLEDs	E. Zysmann-Colman, Univ. St Andrews
16:00 - 16:30	Intersystem Crossing beyond the Static Picture and its Implications on the Design of Functional Molecules	T. Penfold, Newcastle Univ.
16:30 - 17:00	Singlet, Doublet and Triplet Spin Control in Organic Optoelectronics	E. Evans, Swansea Univ.
17:00 - 17:15	Exciton Coupling Chirality in Helicene-Porphyrin Conjugates	P. Matozzo (ESR1), CNRS
17:15 - 17:30	Close	M. Fuchter, IMP

Thursday 7th July 2022

Time	Topic	Speaker
8:30 - 13:30	Visit of Diamond Light Source	All ESRs

Zoom link for Monday 4th July:

https://imperial-ac-uk.zoom.us/j/94662980145?pwd=ckRidnJyMk1Qc2s2eEx1QUR3T0ZUdz09

Meeting ID: 946 6298 0145
Passcode: ch1raL!

CPE Annual Symposium 2022 – Programme

Processable Electronic Materials for a More Sustainable Future

Tuesday 5 July

Royal School of Mines, South Kensington Campus, Imperial College London

09.45-10.00 Arrival, registration and poster set-up (RSM G01)

Session 1 (RSM G20) - Chair: Prof James Durrant CBE

10.00-10.05 Welcome: Prof James Durrant CBE (CPE Director)

10.05-10.40 Invited external speaker: Prof Tsutomu (Tom) Miyasaka (University of Tokyo)

10.40-11.05 Invited external speaker: Dr Fernando Castro (National Physical Laboratory)
Probing the nanoscale degradation mechanisms of perovskite photovoltaic materials with advanced atomic force microscopy

11.05-11.30 Tea/coffee

11.30-11.55 KEYNOTE: Prof Nam-Gyu Park (Sung Kyun Kwan University, South Korea)

11.55-12.20 Invited external speaker: Prof Henry Snaith (University of Oxford)
Metal halide perovskites; on the pathway towards a highly efficient and highly stable PV technology

12.20-12.45 Speaker TBC

12.45-13.45 Lunch (RSM G01)

Session 2 (RSM G20) - Chair: TBC

13.45-14.10 Invited external speaker: Dr Tracey Clarke (University College London)
Conjugated organic materials as solar fuels catalysts

14.10-14.35 Invited internal speaker: Dr Robert Hoye (Imperial College London)
Bismuth-based light harvesters for stable, bias-free solar fuel production

14.35-15.00 Invited internal speaker: Dr Salva Eslava (Imperial College London)
Development and tuning of ternary photoanodes for solar fuels and feedstocks

15.00-15.25 Tea/coffee (RSM G01)

Session 3 (RSM G20) - Chair: Prof Sandrine Heutz

15.25-15.50 Invited external speaker: Dr Jeanne Crassous (Rennes Institute of Chemical Sciences)
Helical and axially chiral systems for optoelectronic applications

15.50-16.15 Invited internal speaker: Prof Matthew Fuchter (Imperial College London)
How to prepare a circularly polarised light-emitting OLED (and what we learnt along the way)

16.15-16.40 Invited external speaker: Prof Hugo Bronstein (University of Cambridge)
Synthesis and understanding of organic heterointerfaces. Towards designer CT states?

16.40-17.30 Evening reception and poster session (RSM G01)

Wednesday 6 July

Royal School of Mines, South Kensington Campus, Imperial College London

Session 1 (RSM G20) Chair: Dr Nicola Gasparini

10.00 Welcome: Dr Nicola Gasparini and Dr Piers Barnes

10.05-10.30 Invited speaker: Dr Simon Kahmann (University of Cambridge)
Luminescence in 2D perovskites – on trapping and self-trapping

10.30-10.45 Jong Woong Park (Yonsei University)
Dynamic instability and thermoelectric potential of $CsCu_2I_3$

10.45-11.00 Jiaxin Pan (Imperial College London)
Tracing trapped carrier dynamic in perovskite solar cell via IR optical activation spectroscopy

11.00-11.15 Dmitry Masselnikov (Imperial College London)
Singlet fission dynamics in high quality rubrene single crystals

11.15-11.40 Coffee break and posters (RSM G01)

Session 2 (RSM G20) Chair: Dr Nicola Gasparini

11.40-12.05 Invited speaker: Dr Julianna Panidi (Imperial College London)
Engineering strategies for high performing organic electronic devices

12.05-12.20 Apostolos Panagiotopoulos (Imperial College London)
Exfoliation of TMDs for manufacturing processes

12.20-12.35 Tack Ho Lee (Imperial College London)
How organic photovoltaics drive solar water splitting

12.35-12.50 Dr Song Yi Park (Imperial College London)
Organic bilayer photovoltaics for efficient indoor light harvesting

12.50-13.40 Lunch and posters (RSM G01) sponsored by RSC *Materials Horizons* and RSC *Nanoscale Horizons*

Session 3 (RSM G20) Chair: Dr Piers Barnes

13.40-14.05 Invited speaker: Marina Freitag (Newcastle University)
Zombie solar cells for ambient applications

14.05-14.30 Invited speaker: TBC

14.30-14.45 Sebastian Gorgon (University of Cambridge)
Rapid triplet harvesting by radical emitters

14.45-15.00 Matthew Ward (Imperial College London)
Highly selective high-speed circularly polarized photodiodes based on π-conjugated polymers

15.00 Closing remarks and poster prizes presented by the Assistant Editor of RSC *Materials Advances*

With thanks to our sponsors

CPE Annual Symposium: Processable Electronic Materials for a More Sustainable Future

Join Zoom Meeting
https://imperial-ac-uk.zoom.us/j/99923312698?pwd=dDFqVVE5WU40VkxuM1JEZ3lBVGNGZz09

Meeting ID: 999 2331 2698
Passcode: 1A=a?u
One tap mobile
+13126266799,,99923312698#,,,,*556422# US (Chicago)
+13462487799,,99923312698#,,,,*556422# US (Houston)

Dial by your location
+1 312 626 6799 US (Chicago)
+1 346 248 7799 US (Houston)
+1 646 558 8656 US (New York)
+1 669 900 9128 US (San Jose)
+1 253 215 8782 US (Tacoma)
+1 301 715 8592 US (Washington DC)
Meeting ID: 999 2331 2698
Passcode: 556422
Find your local number: https://imperial-ac-uk.zoom.us/u/aGdvuf01

Join by SIP
99923312698@zoomcrc.com

Join by H.323
162.255.37.11 (US West)
162.255.36.11 (US East)
115.114.131.7 (India Mumbai)
115.114.115.7 (India Hyderabad)
213.19.144.110 (Amsterdam Netherlands)
213.244.140.110 (Germany)
103.122.166.55 (Australia Sydney)
103.122.167.55 (Australia Melbourne)
149.137.40.110 (Singapore)
64.211.144.160 (Brazil)
149.137.68.253 (Mexico)
69.174.57.160 (Canada Toronto)
65.39.152.160 (Canada Vancouver)
207.226.132.110 (Japan Tokyo)
149.137.24.110 (Japan Osaka)

Meeting ID: 999 2331 2698
Passcode: 556422