

MACRO GROUP UK POLYMER PHYSICS GROUP BULLETIN



IOP | Institute of Physics
Polymer Physics Group

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Editorial

Welcome to the August edition of the Macro Group and PPG Bulletin. Congratulations to the winners of the MGUK awards: **Nikos Hadjichristidis** (KAUST), **Dave Adams** (Liverpool University), **Michael Shaver** (University of Edinburgh), **Paul Topham** (Aston University) and **Athina Anastasaki** (UCSB), who received their medals at the Warwick 2016 conference. Congratulations as well to **Giovanna Sicilia** (University of Nottingham), who is the fifth winner of the Jon Weaver PhD prize.

We would like to draw your attention to the new prestigious **Ottewill International Travel Scholarship**. **UK-based PhD students** wishing to present their work at an international conference are encouraged to apply.

Finally, a reminder to **PhD students and postdoctoral researchers** who are members of the Macro Group that **D. H. Richards bursaries** are available to help fund conference expenses. Application deadlines are now **four times a year** in February, May, August and November. Bursaries of up to £300 for attendance at international conferences and visits to international facilities are also available from the **IOP Early Career Researchers Fund**.

As usual, we also have a number of conference reports and announcements of forthcoming meetings, including the **RAPS event for early-career** researchers (page 17), a **careers event for PhD students in polymer science** (page 21) and a **meeting to commemorate the life's work of Alexei Likhtman** (page 22). Thank you to all who have contributed an item to this issue of the bulletin.

Nathalie Lavignac — Martin Greenall
Bulletin Officers

Contributions for inclusion in the **BULLETIN** should be emailed (preferably) or sent to either:

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Chatham, ME4 4TB
n.lavignac@kent.ac.uk

or

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School of Mathematics and Physics,
University of Lincoln,
Brayford Pool,
Lincoln LN6 7TS.
mgreenall@lincoln.ac.uk

The deadline for contributions for the next issue is

31st December 2016

The Pure and Applied Macromolecular Chemistry Group (Macro Group UK) is a joint group of the Royal Society of Chemistry and the Society of Chemical Industry. The Polymer Physics Group is a joint group of the Institute of Physics and the Royal Society of Chemistry.



IOP Institute of Physics

Views from the Top

From the Chairman of Macro Group



Welcome to the latest issue of the Bulletin, and my final Chairman's message as, by the time you read this, I will have stepped down from the role of Macro Group Chairman.

Summer is upon us (well, it is for you Northern hemisphere types...) so that means it is conference season. Last week I had the pleasure of attending the Warwick Polymer Conference – the 4th in the series, and I am proud to say I have attended all 4! The latest was bigger and better than the previous ones, with around 600 delegates attending from all over the world and more than 300 posters presented. It was really great to experience the vibrant and stimulating environment that Dave Haddleton and his team have created with this conference, which I think is truly unique, not only in the focus of the program on polymer chemistry, but also the social events. I'm pretty sure it is the only conference to feature a pub quiz, a football tournament and a polymer rock band: No Dead Chains (!), with former MGUK Chairman Steve Howdle on vocals. MGUK used the conference as an opportunity to present several medals and awards, so I was pretty busy over the 3.5 days. Details of the medal winners and photos of them receiving their awards can be found in the Bulletin. All I can say is that I hope Dave will run the conference again in 2020!

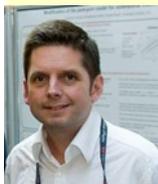
Still on conferences, many of us were due to attend the World Polymer Congress (MACRO 2016) in Istanbul the week following Warwick. Events in Turkey have taken a turn for the worse this year, and recent terrorist activity plus the attempted coup the weekend before the conference meant that many people had to withdraw. I don't know how many people were able to go in the end, but I'm sure it was far fewer than were originally registered. I feel very sorry for Yusuf Yagci and his colleagues, I'm sure they will have put on a fantastic conference and it is really sad that events out of their control have affected the turnout.

The other recent major event that should be mentioned, and which no doubt will affect us all, is Brexit. Whilst this is not the forum to air political views, I think that the vast majority of us are in shock over the outcome of the referendum. We don't yet know how it will impact on our economy, research funding and ability to participate in European funding programmes, but my guess is that it will not be beneficial. Let's hope I'm wrong. Also unknown is the fate post-exiting the EU of UK-based PhD students and staff members from EU countries – will they be allowed to stay in the UK? The ramifications of Brexit for the whole UK academic sector are huge, so it is particularly disappointing that those who campaigned vigorously for it have abdicated responsibility for making it happen. Let's hope things get resolved as quickly as possible so we can get on with doing great science and recruiting the best possible students and staff members available.

Turning to the current Bulletin issue, there are one or two items I would like to highlight. The first is to congratulate the 2015 Jon Weaver PhD prize winner, Dr Giovanna Sicilia from the University of Nottingham. Giovanna did her PhD with Cameron Alexander at the University of Nottingham,

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From the Chairman of the PPG



In the January Bulletin, I commented about the many changes that had affected the Polymer Physics Group in 2015. This rapid pace of change has continued in 2016.

The result of the EU Referendum on June 23 came as a shock to many of us who had not anticipated the outcome. There is still huge uncertainty over what will be the final terms agreed with the European Union, and it is not entirely clear what triggering Article 50 will mean for the scientific community in the longer term.

The reasons why people voted for or against remaining in the EU are multi-faceted but often related to issues of sovereignty and the economy. I dare say that most voters did not even briefly consider the possible impact of Brexit on scientific research. Some persons have argued that funding paid by the UK for EU membership could in the future be channelled directly into the UK's science programmes, which would give them a targeted boost. (Although the Leave campaigners famously implied that the funding would be directed to the NHS.) I personally doubt that the UK government will fund pan-European programmes equivalent to Horizon 2020, the benefits of which are often not appreciated by non-researchers.

Polymer scientists have proven to be particularly adept in communicating their work to the general public. Numerous examples of public lectures, exhibitions, and schools outreach spring to my mind. Even so, science is not high on the list of voters' concerns, and not always a high priority for Parliament. For me, the result of the Brexit vote underlines the importance of communicating what we do to the larger society, to policy makers, and to politicians. As negotiations take place over the next couple of years, scientists must be fully engaged in the process to ensure the best possible outcome for the community.

The Institute of Physics has an important role to play. The IOP is currently preparing a submission to the House of Commons Science and Technology Committee's Inquiry on "Leaving the EU". The PPG Committee will contribute to the formation of the IOP's policy, and your input to the Committee is always welcome.

In a post-Brexit world, as the UK charts a new course, supporting and promoting early career researchers (ECRs) is increasingly important. A couple of years ago, PPG organised a one-day workshop on "Careers in Polymer Science" to broaden the horizons of ECRs. After much positive feedback, this event will be back by popular demand. Jon Howse is organising the event on November 30th at the University of Sheffield. Please encourage PhD students and ECRs to attend.

It's equally important for us to raise the profile of polymer physics nationally by recognising the giants in our community. I hope to see a large number of nominations for the 2017 Founders' Prize.

In the aftermath of the tragic death of Alexei Likhtman, who was formerly a PPG Committee member, plans are now in place for a one-day symposium, entitled "The Science of

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Views from the Top

and following her PhD she has taken up a prestigious EPSRC Doctoral Prize fellowship, also at Nottingham. She will be presented with her award at a conference in the near future. Following the demise of the UK Polymer Colloids Forum, MGUK has taken on the administration of the Ottewill International Travel Scholarship. PhD students working in the broad area of polymer colloids are encouraged to apply for this prestigious award. Also on travel bursaries, the DH Richards bursary now has 4 application deadlines per year, to spread demand.

All that remains is for me to say that it has been a pleasure and privilege to serve as MGUK Chairman for the last 3 years. I have been supported by a fantastic committee, especially Dave Adams (Secretary) and Pete Deakin (Treasurer). I wish the incoming Chairman, Cameron Alexander, the very best and I'm sure he will do a fantastic job.

Neil Cameron
Chairman, Macro Group

Alexei Likhtman", to commemorate and celebrate his contributions to polymer physics. This symposium will be held on Tuesday, December 13th, 2016 within the three-day Midwinter Meeting of the British Society of Rheology. The Polymer Physics Group is a co-sponsor, and I have represented the Group on the Organising Committee. There is an impressive list of invited speakers who have collaborated with Alexei. You will find more information elsewhere in this Bulletin.

Needless to say, we live in "interesting" times .

Joseph Keddie
Chair, Polymer Physics Group

PPG & Macro Group Committees

Macro Group Committee

Chairman: Prof. Neil Cameron (Monash University) 2013 - 2016
Secretary: Prof. Dave Adams (University of Liverpool) 2008 - 2016
Treasurer: Dr Peter Deakin (Aldrich) 2014 - 2017

Ordinary Members:

Dr Rachel Evans (Trinity College Dublin) 2015 - 2018
 Dr Frederik Claeysens (University of Sheffield) 2014 - 2017
 Dr Theoni Georgiou (Imperial College London) 2014 - 2017
 Prof. Natalie Stingelin (Imperial College London) 2014 - 2017
 Dr Steve Edmondson (University of Manchester), *Web Site Officer* 2014 - 2017
 Dr Peter Shaw (Synthomer) 2013 - 2016
 Dr Cecile Dreiss (Kings College London) 2014 - 2017
 Dr Nathalie Lavignac (University of Kent), *Bulletin/Meetings Officer* 2014 - 2017
 Prof. Charlotte Williams (Imperial College) 2012 - 2018
 Prof. Cameron Alexander (University of Nottingham) 2012 - 2018
 Dr Paul Topham (University of Aston) 2013 - 2016
 Dr Matthew Gibson (University of Warwick) 2013 - 2016
 Dr Adam Limer (Unilever) 2013 - 2016
 Dr Valeria Arrighi (Heriot-Watt University), *Membership Officer* 2013 - 2016

Representative Members:

Representing European Polymer Federation: Prof. Lian Hutchings (University of Durham)
Representing Colloid & Interface Science Groups, RSC and SCI: Dr Cecile Dreiss (Kings College London)
Representing Materials Chemistry Forum, RSC: Prof Stephen Yeates (The University of Manchester)
Representing Polymer Physics Group, IoP: Dr Valeria Arrighi (Heriot-Watt University)
Representing Biomaterials Chemistry Group, RSC: Dr Ajay K. Luthra (BioInteractions Ltd)
Representing Polymer Degradation Discussion Group: Dr Mogon Patel (AWE)
Representing RAPS Network: Dr Chris Holland (University of Sheffield)

Polymer Physics Group Committee**Chair:**

Prof. Joe Keddie (University of Surrey)

Ordinary members:

Dr Jonathan Howse (University of Sheffield)
 Dr Martin Buzza (University of Hull)
 Dr Johann de Silva (Trinity College Dublin)
 Dr Martin Greenall (University of Lincoln)
 Dr Mike Ries (University of Leeds)

Representing Macro Group: Dr Valeria Arrighi (Heriot-Watt University)

Honorary Secretary and Treasurer:

Prof. Aline Miller (University of Manchester)

Dr Ann Terry (Rutherford Appleton Laboratory)
 Dr Anthony Higgins (Swansea University)
 Dr James Elliott (University of Cambridge),
 Dr Vasileios Koutsos (University of Edinburgh),

Polymer Physics Group Awards

Nominations for Polymer Physics Group Awards Now Open!

Polymer Physics Group Founders' Prize

The Polymer Physics Group Founders' Prize was established after the death of Professor Andrew Keller to honour him and all of the other founders of the Group. The prize is awarded biennially to a scientist who has made an outstanding contribution to Polymer Physics in the UK or Ireland. The recipient of the prize will be invited to present the Founders' Prize Lecture at the Biennial Meeting in Swansea in September 2017.

Please note the careful wording of the previous paragraph. The Group agreed that the recipients of the Founders' Prize need not be British nor even currently working in the UK, provided that their research had/has a significant UK or Irish component.

*Nominations consisting of the name of the proposed recipient and up to 250 words of justification should be received by the Group Secretary, Aline Miller, by **Friday, 9th September, 2016.***

PPG/DPOLY exchange lectureship

The Division of Polymer Physics (DPOLY) of the American Physical Society (APS) and the Polymer Physics Group of the IOP have agreed a biennial Lecture Exchange for early career polymer physicists.

Nominations are invited for the fifth DPOLY/PPG Exchange Lectureship. The recipient will be invited to present their work at the 2017 March APS Meeting, with £1500 expenses paid by PPG. The nominee must be a member of PPG and have no more than 10 years of professional experience since completion of their PhD (exclusive of career breaks such as maternity leave). Self-nominations are also welcome.

*A brief statement, up to 250 words, justifying the nomination and a 2-page CV, including publications list, should be received by the Group Secretary, Aline Miller, by **Friday 9th September 2016.***



Polymer Physics Group Founders' Prize

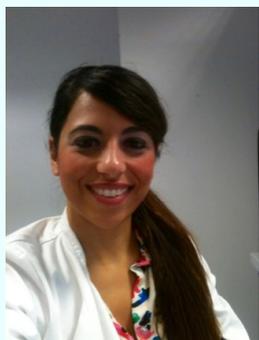
2015	Prof Richard Jones
2013	Prof Donal Bradley
2011	Prof Thomas McLeish
2009	Prof Dame Athene Donald
2007	Prof Alan Windle
2005	Prof Dame Julia Higgins
2003	Prof David Bassett
2001	Prof Sir Sam Edwards

PPG/DPOLY exchange lectureship

2015	Dr Paola Carbone
2013	Dr James Adams
2011	Prof Giuseppe Battaglia
2009	Dr Aline Miller

The Jon Weaver PhD Prize 2015

The Jon Weaver PhD Prize sponsored by Synthomer rewards the best PhD students in the field of Polymer Science in the UK. The prize is awarded to a PhD student who has displayed an outstanding ability across a range of criteria throughout their PhD.



The 2015 Macro Group PhD Prize has been awarded to **Dr Giovanna Sicilia** from the University of Nottingham. Her thesis was entitled "Synthesis of Programmable Nucleic Acid – Polymer Conjugates with Sensing and Signalling Capabilities". Giovanna worked under the supervision of Prof. C. Alexander and developed novel nucleic acid – polymer conjugates capable of sensing DNA binding events through hybridization and de-hybridization processes allowing amplification of these 3-5 nm scale events into macroscale signals using optical and nuclear magnetic resonance techniques.

During her PhD, Giovanna spent a month at the world-leading Australian Institute of Bioengineering and Nanotechnology (AIBN), University of Queensland, working in the group of Dr Kristofer Thurecht. Her work has been published in leading chemical and polymer journals (e.g. *Polymer Chemistry*, *Nanoscale*, *Biomaterial Science*, *Physical Chemistry Chemical Physics*) and highlighted in several press releases (e.g. <http://www.epsrc.ac.uk/newsevents/news/2014/Pages/molecularnanospies.aspx>; an interview for BBC Radio and <http://www.nottingham.ac.uk/pharmacy/news/new-dna-based-materials.aspx>). Giovanna presented her research at various national and international conferences, winning 2 national prizes for best oral presentation (e.g. UKICRS symposium, Macro Group UK Young Researchers Meeting). Her research interests include theranostic biopolymers, gene delivery, cancer therapeutics and advanced imaging techniques.

In January 2015, Giovanna was awarded an EPSRC Doctoral Prize, for which she is currently developing nanopatterned polymeric surfaces with inherent anticancer activity in the School of Pharmacy, Physics and Medicine of the University of Nottingham and the National Institute of Metrological Research (INMRI) in Turin (Italy).

Giovanna Sicilia



MacroGroup UK Awards

Nominations for MACRO Group Medals Now Open!

Macro Group UK Medal

Awarded to a UK-based scientist who has made a significant and substantial contribution to the development of polymer science through his/her scientific achievements and/or services to the UK polymer science community. The recipient will be awarded a silver medal and will be expected to deliver a medal lecture at an appropriate Macro Group UK meeting.

*Nominations for this award are invited annually and the next deadline is 30th September 2016.**

Macro Group UK Young Researchers Medal

Awarded to a UK-based scientist with up to 12 years of experience since completion of PhD on December 31st of the preceding year (exclusive of career breaks) and whose contributions to polymer science show outstanding promise for the future. The recipient will be awarded a bronze medal and will be expected to deliver a medal lecture at an appropriate Macro Group UK meeting.

*Nominations for this award are invited annually and the next deadline is 30th September 2016.**

Nominations

All Macro Group UK awards are open to scientists from any organisation (industrial, commercial, government, academic...). Nominations for the Macro Group UK Medal and the Macro Group UK Young Researchers' Medal are restricted to scientists currently working in the UK, whereas the Macro Group UK Medal for Outstanding Achievement is open to scientists from all countries of the world.

* Nominations should consist of a proposer and a second-er (both current members of Macro Group UK), who should provide:

- 1) A supporting statement (describing the contributions for which the nominee is notable) and
- 2) A brief (1-4 page) CV of the nominee.

All nominations must be received by the Macro Group UK Secretary no later than the nomination deadline.



Macro Group UK Medal for Outstanding Achievement *

2016 N. Hadjichristidis
 2014 E. Rizzardo
 2012 M. Sawamoto
 2010 C. J. Hawker
 2008 M. Antoinetti
 2006 J.M.J. Fréchet
 2005 K. Matyjaszewski
 2004 P. Hodge

Macro Group UK Medal

2015 D. Adams
 2014 C. Alexander
 2013 U. Steiner
 2012 H. Colquhoun
 2011 A. Cooper
 2010 I. A. Manners
 2009 A. J. Ryan

Macro Group UK Young Researchers Medal

2015 M. Shaver
 2014 P. D. Topham
 2013 L. Dougan
 2012 M. I. Gibson
 2011 I. Kinloch
 2010 J.V.M. Weaver
 O.A. Scherman
 2009 A. P. Dove

Jon Weaver PhD Prize

2015 G. Sicilia
 2014 A. Anastasaki
 2013 J. Patterson
 2012 E. Appel
 2011 K. Kirkham

* previously known as the Macro Group UK Lectureship and Medal (1997-2005)

Full list of winners available from MGUK web site:
<http://www.macrogroup.org.uk/>

MacroGroup UK Awards

MACRO Group Medal Awards

The winner of the 2016 Macro Group UK Medal for Outstanding Achievement and the winners of the 2015 Macro Group UK; 2015 & 2014 Young Researchers and the 2014 Jon Weaver PhD Prize were presented their medals at the Warwick Polymer Conference 2016.



Left: **Professor Nikos Hadjichristidis** (KAUST) was the recipient of the 2016 Macro Group UK Medal for Outstanding Achievement. He receives his medal from Neil Cameron and David Haddleton. Lecture: Organocatalytic Polymerization of Ylides: A powerful tool towards well-defined polyethylene-based polymers.

Right: **Professor Dave Adams** (Liverpool University) was the recipient of the 2015 Macro Group UK Medal. He receives his medal from Neil Cameron. Lecture: Controlling the Assembly in Multicomponent Supramolecular Hydrogels.



Left: **Dr Michael Shaver** (University of Edinburgh) was the recipient of the 2015 Macro Group UK Young Researchers Medal. He receives his medal from Neil Cameron. Lecture: Designing Catalysts and Monomers for Controlled Radical and Ring Opening Polymerizations.

Right: **Dr Paul D. Topham** (Aston University) was the recipient of the 2014 Macro Group UK Young Researchers Medal. He receives his medal from Neil Cameron. Lecture: A strategy to use block copolymer technology to modify surface properties of thin films.



Left: **Dr Athina Anastasaki** (UCSB) receives the 2014 Jon Weaver PhD Prize from Neil Cameron. Lecture: Sequence controlled multiblock copolymers via copper mediated and emulsion polymerization techniques.

UK Polymer Colloids Forum Ottewill International Travel Scholarship

The UK Polymer Colloids Forum (UKPCF) was founded in 1993 in response to UK industry concerns about a diminishing focus for UK academic activity on synthetic aspects of polymer colloids, particularly emulsion polymerisation. The UKPCF was set up under Macro Group UK with a mission "to progress knowledge in the science of polymer colloids by discussion, collaboration and education". It has run several workshops with funding agencies and organised 15 national/international conferences since its inception, but the significant reduction in UK-based industrial polymer colloids research over the last 10 years, the spread of colloidal polymer research into more mainstream polymer chemistry and colloid science, coupled with a reducing number of academics with a polymer colloids focus in their research, led the UKPCF Committee to take the decision in 2014 not to organise further conferences and then, in 2015, to close the UKPCF.

After discussion within the UKPCF Committee and subsequently with Macro Group UK Committee, the residual funds from the UKPCF have been allocated to graduate researchers travel scholarship in the name of Professor Ronald Harry Ottewill OBE FRS (1927-2008), who had a highly distinguished academic career in colloid and interface science. Ron was one of the father figures in establishing polymer colloids as a discipline worldwide and also was a founding member of UKPCF. The UKPCF had already established the Ottewill Award, which was presented at UKPCF conferences to a person selected to have made an outstanding contribution to the field of polymer colloids. **The new Ottewill International Travel Scholarship is designed to assist, each year, one outstanding UK-based graduate researcher (whose research relates to polymer colloids) in presenting their work at an international conference outside the UK.** The new award is, therefore, a natural and fitting way to use the residual UKPCF funds, which have been transferred to Macro Group UK as a ring-fenced sum that should be sufficient to maintain the award well into the 2020s. **The annual award will be prestigious and has a value of up to £1000. The first award will be for travel in the calendar year 2017.**



Professor Ronald Harry Ottewill

The conditions of the award and an application form can be obtained from Craig Jones of Unilever (by email to craig.jones@unilever.com). In short, **applications for the 2017 award must be received by 15 October 2016 and all applicants will be informed of the outcome by 30 November 2016.** The adjudicating committee comprises Brian Vincent (Bristol University), Peter Lovell (Manchester University) and Craig Jones (Unilever).

Pete Lovell
on behalf of the UKPCF Committee

MacroGroup Competition Announcement

The Jon Weaver PhD Prize 2016

MacroGroup UK are delighted to announce *the MacroGroup UK* "Jon Weaver PhD Prize" sponsored by Synthomer, directed at rewarding the best PhD students in the field of Polymer Science in the UK. The prize will be awarded to a PhD student who has displayed an outstanding ability across a range of criteria throughout their PhD. The recipient will receive a certificate and will be invited to deliver a prize lecture.

Nominations

The Macro Group UK PhD Prize is open to scientists who have received their PhD from a UK-based institution. Self-nomination is acceptable, however nominations should consist of:

- 1) a covering letter from the nominee (1 page maximum) describing how the nominee fits the selection criterion;
- 2) a letter from the PhD supervisor on headed paper (1 page maximum), confirming that the student has submitted a corrected thesis;
- 3) a letter from the external examiner of the thesis (examiners report is NOT submissible), in which the date of the viva is specified;
- 4) thesis abstract;
- 5) a brief (1 - 4 page) CV of the nominee including publications list.

The prize will be judged by a sub-committee considering the following criteria:

- Award of PhD between 1st January and 31st December 2016 (note submission of a corrected thesis is sufficient; the University does not have to have formally awarded the degree certificate).
- Evidence of transition to independence
- Fit to MacroGroup UK remit
- Quality and quantity of publications/outputs
- Novelty of Work
- Communication of Science
- The student **MUST** be a member of MacroGroup to be eligible



Applications must be sent electronically to the Macro Group secretary prior to the deadline. Late submissions will not be accepted.

Closing date: **30th March 2017, midnight.**

Support for IOP early-career researchers

Early Career Researchers Fund

Providing financial support to early career researchers to attend international meetings and visit international facilities.

Bursaries up to the value of £300 are available.

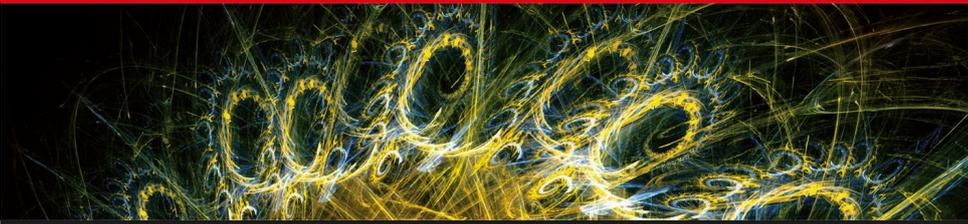
Applications are considered on a quarterly basis and should reach IOP by 1 March, 1 June, 1 September and 1 December.

For further information, see iop.org or contact supportandgrants@iop.org.

PPG Bursaries and other support from IOP

IOP Research Student Conference Fund (available to PPG students)

Supporting research students



Research Student Conference Fund

Providing financial support to research student members, to attend international conferences and major national meetings.

Apply for up to £300 during the course of your PhD.

Applications are considered on a quarterly basis and should reach the Institute by: 1 March, 1 June, 1 September or 1 December

For further information see www.iop.org or contact supportandgrants@iop.org

IOP Institute of Physics

A list of grants and other support available to IOP members (& others) can be found at <http://www.iop.org/about/grants/index.html>

MacroGroup Bursaries

D H Richards Memorial Bursaries (Macro Group UK)

Are you:

- **A student or postdoctoral researcher (PDRA) member of Macro Group UK?**
- Desperate to go to an important conference?
- Short of all the funding needed?

then the DH Richards Memorial Bursaries scheme can help you!

About the bursaries: Macro Group set up the bursaries as a memorial to D H Richards, who was one of the founding officers of Macro Group and worked hard to establish it as a major group in the UK. Under this scheme, Macro Group sets aside funds each year to support its student and PDRA members that wish to attend a major conference in the area of polymer science, but are short of funds to make this happen. Only one student or PDRA from a particular research group will be granted a bursary for a particular conference. A student or PDRA can only receive one bursary award during their period of study. The applicant must be a current Macro Group member, have their supervisor's support, and be planning to make an oral or poster contribution at the conference. It is expected that part of the funds needed to attend the conference will be obtained from other sources. The maximum bursary amount awarded will be £300 for a meeting in the UK and £500 for a meeting overseas. As a condition of receiving a bursary award, the student or PDRA will be required to write a short report on the conference they attended for publication in the Bulletin.

How to apply: Application forms can be obtained from the Macro Group Secretary or directly downloaded from the Macro Group web site (<http://www.macrogroup.org.uk/awards/bursaries.php>). The *completed application form must be sent* via email *by the applicant's supervisor* to the Macro Group secretary in accord with the following deadlines - **1st February, 1st May, 1st August and 1st November**. Decisions will normally be announced less than 4 weeks after the deadline.

Bursaries and Conference Reports

Europolymer Conference 2016

22-26 May 2016, Gargnano, Italy



The 2016 Europolymer Conference (EUPOC2016), organized by the European Polymer Federation (EPF) was held in the beautiful setting of Gargnano on the Northern side of Lake Garda in Italy. The conference focused on block copolymer self-assembly for nanotechnology applications and covered both bulk self-assembly and self-assembly in a selective solvent over four days. There were 136 delegates, 49 poster presentations and a total of 65 oral contributions including 13 invited lectures. I was selected to present a poster entitled “The Effect of Thermoresponsive Micellar Structure on Thermal Hysteresis”, which sparked up debate from experts in self-assembly and gave me an insight into the causes of some of the observations made in the project.

The first session began with an invited lecture by Prof. Paul Nealey from University of Chicago on the directed self-assembly of performance materials. This included aspects on quantitative 3D characterization of thin films, defect kinetics and aging and the self-assembly of bulk polyelectrolytes as conductive materials. Dr. Oleg Borisov from University of Pau gave a discussion on the formation of nanostructures with controlled morphology in a selective solvent. He introduced the concept of solvent-polymer interactions which lead to these structures, as well as how the effect of branching of chains in the particle’s core or corona influences the final morphology. He then went on to discuss frozen vs. dynamic self-assemblies and how variation in the solution pH can have a drastic effect on the dynamics of assembly in polyelectrolyte structures. Prof. Wei Jiang from the Chinese Academy of Sciences gave an insight into the formation of vesicles during a solvent switch by studying experimental and simulation data during the assembly process. There was a session dedicated to high χ block copolymers, which could phase separate into sub-10 nm domains at low molecular weights by virtue of the incompatibility of the two blocks. This was highlighted by an inspiring talk by Prof. Teruaki Hayakawa from the Tokyo Institute of Technology who discussed the synthesis of silicon and fluorine containing block copolymers for lithographic applications. In a separate session, Mr. Oliver Gould from the Manners group at the University of Bristol discussed the potential of optical tweezers for controlling polymer assemblies and the creation of “supermicelles”. Prof. Jean-Francois Gohy from Université catholique de Louvain then gave a fascinating talk about the use of block copolymer self-assemblies as electrode materials.

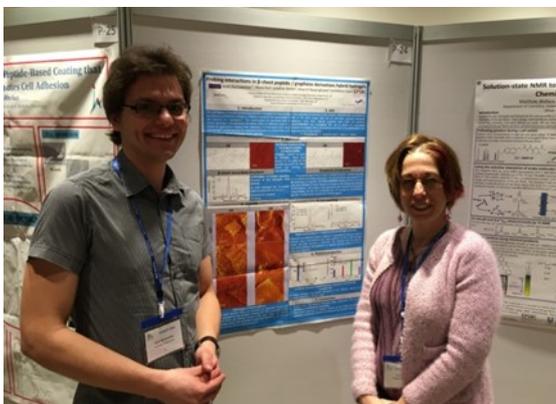
Aside from the excellent science, between talks there were ample opportunities to network with other delegates in the garden of the Pallazzo Feltrinelli overlooking the lake. For instance, two of the day’s talks were followed by a delicious wine and cheese party and the conference dinner. I would like to thoroughly thank the conference organizers for an enthralling conference and congratulate the poster prize winners for their exceptional contributions. I would like to take the opportunity to thank Macro Group UK for the award of the DH Richards Bursary to attend this wonderful conference.

Lewis Blackman (University of Warwick)

Bursaries and Conference Reports

2nd International Conference on Peptide Materials for Biomedicine and Nanotechnology. PEPMAT 2016

14-16 March 2016, Barcelona, Spain



PhD Student Jacek Wychowaniec discussing science with Prof. Nurit Ashkenasy from Ben-Gurion University of the Negev (Israel) during the poster presentation.

The PEPMAT 2016 congress was organised by the very welcoming Universitat Politècnica Catalunya, UPC and chaired by Prof. Carlos Alemán, IMEM Director. The meeting took place in a genteel hotel, set in a 19th-century, colonial-style building, located in central Barcelona just by the famous la Rambla. The conference covered cutting edge peptide-based science, covering everything from fundamental science governing peptides, such as electron transport through simplified molecules, models of self-assembly obtained with molecular dynamics simulations, variety of formed structures up to biomedical applications.

I was selected to present my work in a poster entitled: Probing interactions in β -sheet peptide / graphene derivatives hybrid hydrogels.

I would like to finish by thanking the organisers of the conference and the rest of the delegates for the exceptional science presented over these three days. I would also like to thank the Macro Group UK and IOP Materials and Characterisation Group for awarding me travel bursaries that allowed my attendance at this congress.

Jacek Wychowaniec (The University of Manchester)

Gordon Research Conference (GRC) and Gordon Research Seminar (GRS) on Electronic Processes in Organic Electronics 2016

June 5-10 2016, Lucca, Tuscany, Italy



The GRC on Electronic Processes in Organic Electronics 2016 was held on June 5-10 at Lucca (Barga), Tuscany, Italy at the Hotel Renaissance Lucca, located at the top of a beautiful mountain, about an hour-and-a-half drive from Pisa Centrale. The conference was followed by a day-long Gordon Research Seminar (GRS) held at the same location.

The GRS 2016 started on June 4, and the most interesting part of the seminar was the panel discussion between David Ginger (Washington), Natalie Stingelin-Stutzmann (Imperial), Ana Claudia Arias (California, Berkeley) and Eric Bittner (Houston). The seminar ended with an open ballot for electing the chairs for the next seminar happening in 2018.

The GRC 2016, chaired by David Ginger and Natalie Stingelin-Stutzmann, started on June 5 in the evening. The first session started on the topic: Spin Transport with two well-known keynote speakers, Henning Sirringhaus (Cambridge) and Christoph Boehme (Utah). All the talks in other sessions were also given by the renowned researchers in the community; personally the talks I enjoyed the most were presented by Henry Snaith (Oxford), Alberto Salleo (Stanford), Antonio Facchetti (Polyera / Northwestern) and Aram Amassian (KAUST). The poster sessions were held in the evenings of June 6-9, between 4:30 pm to 6:00 pm.

I found the conference a real success; especially because the conference was a fantastic platform to meet the future employers for the people like me, who are at the end of our PhD candidature!

Masrur Morshed Nahid (Monash University, Australia)

Bursaries and Conference Reports**251st American Chemical Society National Meeting & Exposition
ACS San Diego Spring Meeting 2016**

March 13-17, 2016 San Diego, CA, USA



It was a surprise to be given a talk slot on the first morning of the meeting, in a session were the 3 other speakers where all invited talks from leading scientists (Professors!) in the area of colloid science. My talk titled “Co-precipitation of DEAE-dextran coated SPIONs: how synthesis conditions affect particle properties, stem cell labelling and MR contrast” was at that end of the session. I felt as though the talk was well received and the questions and feedback I got from the audience were really positive. After the session, a number of people stayed behind to ask me more questions about the work. Whilst it was nerve-racking to speak in such an exclusive slot, I think it was a valuable experience to improve my presenting skills but also to network and learn about work from other scientists in the field. My personal highlight was the talk by Christine Payne from Georgia Institute of Technology who gave a talk on nanoparticle-cell interactions.

San Diego wasn't too bad either!

Dr Mike Barrow (University of Liverpool)

Judith Houston (Trinity College, Dublin)
and Prof. Nicholas Abbott (University of Wisconsin-Madison)

In March 2016, I was fortunate to attend to the biannual ACS Meeting in San Diego where I presented my recent work on the ‘Selective detection of phase transitions in model biological membranes using novel conjugated polyelectrolyte probes’ in the Bioresponsive and Biomimetic Polymers and Materials symposium organised by the Polymeric Materials Science and Engineering division of the ACS.

The selected symposium was extremely applicable to my project and provided a great opportunity to hear and compare our work in the context of other recent advances in this relatively specific field. With approximately 15,000 delegates in attendance, this conference also offered a packed programme containing high quality oral and poster presentations from a variety of topics ranging from Energy and

Fuels through to Chemical Education. In particular, I was delighted to meet Prof. Nicholas Abbott (pictured) from the University of Wisconsin-Madison, the recipient of the ACS Award in Colloid and Surface Chemistry, and hear about his work on the advances and application of colloidal and interfacial phenomena in liquid crystalline systems.

Despite the hectic conference schedule, I was also able to take this opportunity to explore San Diego. Particularly, the city's historic Gaslamp Quarter, which provided an excellent setting to network with other early career researchers.

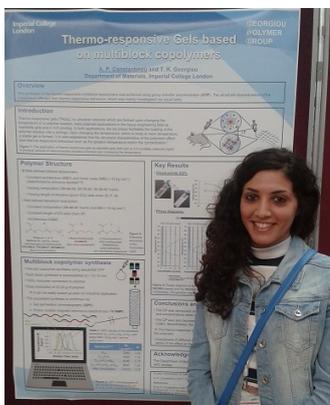
I would like to take this opportunity to thank my supervisor, Dr Rachel Evans, for her support and the MacroGroup UK for awarding me the DH Richards Memorial bursary, without which I would not have been able to attend such a rewarding conference.

Judith Houston (Trinity College, Dublin)

Bursaries and Conference Reports

Warwick Polymer Conference 2016

11th - 14th July 2016, Warwick, UK



The “Warwick Polymer Conference 2016” was an international scientific event focused on the recent developments in polymer science. A great number of scientists from different universities and countries with a specific interest in polymer science were present in the meeting, during which they presented a scientific talk with the aim of sharing their excitement and work on polymers. New beginners discussed scientific topics with scientists which were interested in their work by presenting a poster. Attending this conference was a great opportunity not only to present our work, but also to be informed about new aspects in polymer science such as sequence-defined polymers for encoding purposes. Moreover, one of the most important experiences was the attendance of the talks of distinct invited speakers who have contributed significantly in the field of

polymer science. In addition, meeting scientists and particularly invited speakers was one of the most memorable moments.

Anna Constantinou (Imperial College)

Macro Group Young Researchers' Meeting

April 5th-6th 2016, University of Liverpool, Liverpool, UK

The Macro Group Young Researchers' Meeting is intended to provide PhD students and post-doctoral researchers working in the area of Polymer Chemistry with their first opportunity to present a talk or a poster and a conference. This year, the YRM was held at Liverpool and was a huge success. We managed to attract around 190 attendees, and could have hosted many more were it not for restrictions on room sizes for the talks. We have attendees from across the UK (from 22 different universities), as well as speakers from the USA and France. There were 23 oral presentations of an incredibly high standard, with topics ranging from optoelectronic materials, to biomaterials and self-assembled polymers. We also had presentations from academics and industrialists, focusing on their careers, which were very well received. There were over 110 posters, which again were of an exceptionally high standard. There were prizes for best presentations provided by Domino and prizes for best posters provided by the RSC and Polymer International. A full list of talks, prize winners and photos are available on twitter (@MacroYRM2016 and #YRM2016) – in all cases, the judges had an exceptionally hard time choosing! It's very clear that Polymer Chemistry in the UK is in safe hands for the future! We are incredibly grateful to all of our kind sponsors (Materials Innovation Factory, Unilever, Synthomer, Domino, Royal Society of Chemistry, Polymer International, Aldrich Materials Science, and Postnova) without whom the event would not have been possible.



Dave Adams (University of Liverpool)

Bursaries and Conference Reports

Advanced School in Soft Condensed Matter Solutions in the Spring

Homerton College, Cambridge, 3-6 April 2016

The Advanced School in Soft Condensed Matter was held at Homerton College, Cambridge on 3rd – 6th April 2016. Students learnt about a range of specialist topics and presented posters on their own work.

The attendees are PhD students at various points in their thesis and about one third of them are based outside the UK. The event began on the Sunday afternoon with a couple of lectures early on, followed by a networking event and then everyone had dinner and socialized. We had full days on the Monday and Tuesday with a half day on Wednesday leading up to the conference, Soft and Biological Physics, at the same venue.

The lecturers were Karen Edler (Bath, Self assembly), Andrew Parry (Imperial, Confined Fluids), Tom Waigh (Manchester, Micro-rheology) and Simon Titmuss (Edinburgh, Neutron reflectivity). Each gave three lectures and a workshop on their topic; additionally, they were available at other times to answer questions. The students appreciated the variety of topics and styles. Out of the workshops, Tom Waigh's approach of asking the students to each dream up their own micro-rheology experiment was especially popular.

Each student presented a poster on their thesis work during a poster session on the Monday afternoon. The lecturers joined in discussions over the student's work and, with some difficulty, decided on the best poster. This award went to Diana Cholakov who had presented her work on "Self-shaping drops" carried out at Sofia University, Bulgaria. On the Tuesday afternoon there was an opportunity for everyone to wander round Cambridge, followed by a punting trip and dinner out.

Throughout the event Hoe-Yin Kim and Dawn Stewart from the IoP provided a great deal of support to students, lecturers and organizers. The event could not have run without the extremely generous support of the Science and Technology Funding Council (STFC), augmented by contributions from the Liquids and Complex Fluids group, the Neutron Scattering group and the Polymer Physics group of the IoP.



Andrew Parry in action at Homerton College, April 2016.

Paul Clegg, The University of Edinburgh

Bursaries and Conference Reports

The Physics of Soft and Biological Matter Conference,

Homerton College, Cambridge, 6-8 April 2016



Homerton College, Cambridge

In April 2016, four IOP groups: Biological Physics, Liquids and Complex Fluids, Molecular Physics and Polymer Physics jointly organised the above conference in the beautiful setting of Homerton College. The meeting followed the very successful conference on the same topic in 2014. The aim was to bring together the broad and diverse community interested in the physics of soft and biological matter and the programme spanned a number of key cross-cutting themes, including self-assembly and patterning, rheology, biomimetics, non-equilibrium phenomena, molecular imaging, optical methods and spectroscopies.

We had an outstanding line up of invited speakers, including:

Anna Balazs (University of Pittsburgh, USA), *Designing soft matter capable of sensing, actuation and communication*

Mike Cates (University of Cambridge, UK), *Guided assembly of active colloidal particles*

Jochen Guck (TU Dresden, Germany), *Feeling for function - mechanical phenotyping at 100 cells/sec*

Lucio Isa (ETH Zurich, Switzerland), *Soft particle monolayers at fluid interfaces: structure, rheology and applications*

Gijsje Koenderink (FOM Institute AMOLF, Netherlands), *A soft matter perspective on the living cell*

Ron Larson (University of Michigan, USA), *Mesoscale simulations of complex, and living fluids*

The conference attracted 110 delegates from 16 countries and the quality of abstract submissions was high. The contributed talks (20 mins each) were organised into two parallel sessions, providing breadth of coverage across different topics, as well as depth of coverage within a topic. The speakers were drawn from researchers at all stages in their academic careers and there was a good balance between theory and experiment. The poster sessions were also very lively and well attended, with each poster being left out for three poster slots to maximize the opportunity for delegates to visit them.

The conference venue (and food!) was excellent, providing plenty of opportunity for scientific networking and discussions. The overall feedback for the conference was very good, though some delegates mentioned that the conference fees were a little high and that they had problems with the conference app.

We hope to run this conference again, as it brings the UK and wider soft matter community together and also gives early career researchers exposure to cutting edge, internationally leading research in the field. The organising committee were Mike Allen, Martin Buzza, Pietro Cicuta, Lorna Dougan, Rhoda Hawkins, Neil Hunt and Aline Miller. Special thanks goes to Mike Allen, who acted as the chair of the organising committee, making sure that the four groups worked well together!

Martin Buzza, University of Hull

Forthcoming Meetings and Conferences

Recent Appointees in
Polymer Science

7-9 September 2016 Loughborough University

RAPS brings together academic and industrial researchers in polymer science at an early stage in their careers (with at least one year postdoctoral or equivalent industrial experience)

Our conferences offer ideal and informal opportunities for knowledge transfer, discussion, networking, collaboration, sharing experiences and career development.

www.raps.org.uk

Confirmed Speakers/Panellists

Prof Dave Adams (University of Liverpool)

Prof Andrew Lewis (Biocompatibles UK Ltd)

Dr Claire Hansell (Nature Publishing Group)

Dr Roman Boulatov (University of Liverpool)

Dr Anja Palmans (Eindhoven University of Technology)

Programme: There will be contributed oral and poster presentations (with sponsored prizes), and we aim to allow the majority of attendees to present their work. There will be presentations from leading industrialists, academics and publishers and various networking opportunities.

Venue: The meeting will be held on Loughborough University campus. Registration will open at noon on Wednesday. The campus nursery is offering a limited number of spaces for children (aged 0-5) of attendees. To enquire about prices and availability contact Caroline Farley (www.lsu.co.uk/nursery, 01509 234126 / 564068) as soon as possible as places need to be booked in advance.

Payment: The registration fee is £150. This covers accommodation for 2 nights, lunch on each of the three days and breakfast on Thursday and Friday. The registration fee *without accommodation* is £85.

Important Dates:
Abstract submission deadline: **19/8/16**
Notification of talk or poster acceptance: **23/8/16**
Registration deadline: **26/8/16**

Enquires: Please contact Dr Helen Willcock [H.Willcock2@lboro.ac.uk].

Forthcoming Meetings and Conferences

JEPO 2016

September 19-23, 2016

The 44th edition of the French Journées d'Etudes des Polymères will take place on the seaside at the VVF "Le Moulin de Praillane" at Piriac-sur-Mer (44) from September 19-23, 2016

Objectives

The JEPO meeting enables the Young Researchers in polymer science to present their work and also to meet their peers in a privileged environment



Invited Speakers

- Pr Stefan Bon** (Department of Chemistry, University of Warwick Coventry - UK)
Pr Neil R. Cameron FRSC (Department of Materials Science and Engineering, Monash University - Aust.)
Dr Adeline Jasselin (Manufacture Française des Pneumatiques Michelin, Clermont-Ferrand - Fr.)
Dr Alba Marcellan (UPMC - ESPCI, Paris - Fr.)
Dr Guillaume Michaud (Bostik - Arkema, Venette - Fr.)
Dr Frédéric Prochazka (Laboratoire IMP - Université Jean Monnet - Fr.)
Pr Michael Shaver (School of Chemistry - University of Edinburgh - UK)

Important dates

- 4th April, 2016 : Registration & Abstract Submission opens
- 17th June, 2016 : Deadline for abstract submission
- 17th June, 2016 : Registration deadline
- 19th September, 2016 : Opening of the JEPO'16



ADRESS

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Sébastien 44420
Piriac-sur-Mer



INTERNET

jepo2016.univ-
rennes1.fr



CONTACT

sophie.guillaume@
univ-rennes1.fr
02.23.23.58.80



REGISTRATION

Opening : 4th April, 2016
Closing : 17th June, 2016

Forthcoming Meetings and Conferences

«MODERN PROBLEMS OF POLYMER SCIENCE» 12th International Saint-Petersburg Conference of Young Scientists November 14 – 17, 2016 - Saint-Petersburg - Russia

Institute of Macromolecular Compounds of Russian Academy of Sciences is honored to invite you to participate in the 12th International Saint-Petersburg Conference of Young Scientists "Modern Problems of Polymer Science". The Conference will be held at Conference Hall of Institute of Macromolecular Compounds of Russian Academy of Sciences (IMC RAS). It is located on Vasilievsky ostrov (Vasilievsky Island) in the central part of Saint-Petersburg, at 20 min walking from historical center of the city. Young scientists (under 35 years old), PhD students, master students, and graduate students are invited for participation in the Conference as main speakers. 200 persons are expected to attend the Conference. More than 80 oral presentations (for 15 minutes) and about 100 posters are planned for scientific conference program.

Scientific program

Conference will embrace major frontier topics in modern polymer chemistry and physics. Conference sessions will cover topics such as:

Session 1: Polymer composite materials thermoplastic polymer composite materials; nucleation, crystallization and melting; mechanical and thermal properties; multiscale modeling of polymer composites

Session 2: Polymer synthesis and modification radical polymerization; ionic polymerization; polycondensation; catalytic polymerization; copolymerization; structural modification of macromolecules

Session 3: Bio-related and medical polymers biomacromolecules; biomimetic polymers; bio-hybrid polymers; biomolecular recognition; polymers for medical uses; drug delivery systems

Session 4: Structure and characterization of polymers polymer structure and morphology; properties of polymers in solutions; molecular characteristics; polymer blends; phase transitions; crystalline and glassy polymers; anisotropic polymer systems; polymer films and membranes; polyelectrolytes; polymer gels; rheological properties; mechanical properties

Session 5: Smart polymers synthesis of smart polymers; structure and physico-chemical properties of smart polymers; applications of smart polymers

Session 6: Polymer applications polymer materials for microelectronics, optics, and optoelectronics; polymer applications and ecology; processing of natural polymers; utilization

Invited Speakers

Prof. H. Ihara (Japan) Polymer functionalization by supramolecular gel: Basic idea to light management applications

Prof. J. Vuorinen (Finland) Elastomeric actuators

Prof. F.A.M. Leermakers (the Netherlands) Tuneable contributions to the persistence length of semi-flexible chains: induced persistence length and electrostatic stiffening

Prof. V. Kocherbitov (Sweden) Interactions of biopolymers with water

Prof. S. Bronnikov (Russia) Polymer solar cells

Registration and abstract submission:

Registration and submission of contributions are available on line at the Conference website

www.onlinereg.ru/polymer-young

Registration fee is €40 (after November 13, 2016 Registration fee is €50)

The deadline for abstract submission is September 16, 2016.

Forthcoming Meetings and Conferences

**FOLLOW THE GREAT
OCEAN ROAD TO 36APS**
REGISTER NOW



LEADING THE CONVERSATION

PLENARY SPEAKERS

Professor Takuzo Aida
The University of Tokyo

Professor Frank Caruso
The University of Melbourne

Professor Craig Hawker
University of California Santa Barbara

Professor Heather Maynard
University of California, Los Angeles

Professor Alan Rowan
Australian Institute of Bioengineering
& Nanotechnology

Professor Richard Spontak
North Carolina State University

PROGRAM AT A GLANCE

Sunday 20 November 2016	Sessions & Welcome Reception
Monday 21 November 2016	Sessions & Poster Session
Tuesday 22 November 2016	Sessions & Student Night
Wednesday 23 November 2016	Sessions & Symposium Dinner



Forthcoming Meetings and Conferences

Careers outside of Academia

....what else can I do with a PhD in Polymer Science?

The Edge, University of Sheffield

Wednesday 30th November 2016

9 am - 5 pm

This one-day event will comprise talks by guest speakers from a wide variety of employers who seek to employ PhD graduates with a background in Polymer Science.

There will also be round-table discussions and a 1:1 CV surgery with HR specialists to help get your CV in shape for your intended future career.

Location: The Edge, Endcliffe

The Edge is located at 34 Endcliffe Crescent, Sheffield S10 3ED, in the heart of Endcliffe, which spans from Endcliffe Vale Road to Oakholme Road and Fulwood Road.

Arrival/registration: 9 am onward.

Cost: £27.50

Registration: Via IOP website, or see Polymer Physics Group webpage on the IOP website for further details.

Accommodation: Onsite overnight accommodation is available for 29 November on request at the point of registration at a cost of £70.

Forthcoming Meetings and Conferences

The Science of Alexei Likhtman

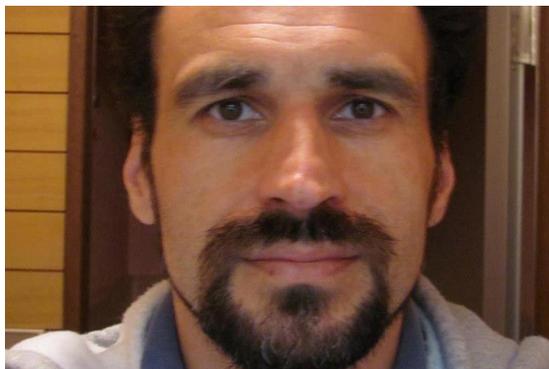
**University of Reading
12-14 December 2016**

Professor Alexei Likhtman was a brilliant theoretical polymer physicist who made numerous important contributions to linear and non-linear viscoelasticity of entangled polymers and underlying physical mechanisms. From 2007, he was Professor of Mathematical Physics at the University of Reading. He served on the Committee of the IOP Polymer Physics Group for four years (2011 - 2015). Last October, he died tragically at the age of 44 years following a fall when hiking in the USA.

A one-day symposium, entitled "The Science of Alexei Likhtman", is being planned to commemorate Alexei and to celebrate his life's work. The symposium is incorporated within the Midwinter Meeting of the British Society of Rheology, which will be held at the University of Reading on December 12 – 14, 2016. The meeting is being co-sponsored by both the IOP Polymer Physics Group and the Liquids and Complex Fluids Group.

The programme of the Likhtman symposium will consist of invited lectures by Alexei's former collaborators:

- **Wim Briels**, Twente
- **Nigel Clarke**, Sheffield
- **Ralph Colby**, Penn State
- **Ralf Everaers**, Lyon
- **Richard Graham**, Nottingham
- **Ron Larson**, Michigan
- **Carlos Marques**, Strasbourg
- **Yuichi Masubuchi**, Nagoya
- **Scott Milner**, Penn State
- **Dieter Richter**, Juelich
- **Alexander Semenov**, Strasbourg
- **Dimitris Vlassopoulos**, Crete
- **Hiroshi Watanabe**, Kyoto



Professor Alexei Likhtman

For more information, visit this website:

<http://www.reading.ac.uk/maths-and-stats/news/BSR-conference.aspx>

Registration is now open at:

<https://registration.venuereading.com/rheologymidwintermeeting>

Abstracts will be accepted for both oral and poster presentations at the BSR Midwinter meeting. The number of delegates is capped at approximately 150, so register early to avoid disappointment.

Forthcoming Meetings and Conferences



16th EPF EUROPEAN POLYMER CONGRESS July 2-7, 2017 - Lyon (France)

From last trends in polymer science
to cutting-edge industrial innovations

TOPICS

Macromolecular Chemistry: From Precise Chemistry to industrial polymers

New polymerization routes and controlled architectures

Colloidal and interfacial polymer chemistries

Greener and bio-based polymer chemistries: biosourced monomers and building blocks, greener catalysis, bioderived polymers

Processes and Polymers: Polymerization Processes and Polymer Processing

Chemical engineering for polymers, new reactors, energy-saving processes

Rheology and formulations

Processing polymers and additive polymer-based manufacturing

Physics of Polymers and Polymer Materials

Soft matter, adhesion, polymer colloids, gels, surfaces and interfaces

New materials: nanostructured polymers and nanocomposites, porous polymers, polymer fibers, sustainable materials

Polymer characterization methods

Modelling and simulation

Dates & Deadlines

May 15, 2016

Start of abstract submission

Until May 31, 2017

Last Minute Poster submission Abstract submission for last minute poster is possible until May 31, 2015 (publishing in the book of abstract and the poster list is not possible).

Until April 30, 2017

Early bird registration fee

May 15, 2017

Final program

until June 20, 2017

Regular registration fee

June 21, 2017

On-site registration fee and Welcome

<http://epf-2017-lyon.sciencesconf.org/>



Forthcoming Meetings and Conferences

FRPM

2017 FIRE RETARDANT POLYMERIC MATERIALS

3 - 6 JULY 2017

BRIDGEWATER HALL, MANCHESTER, UK

The 16th international conference in this prestigious series is returning to the UK after a gap of ten years, and is being organised under the auspices of the Universities of Bolton and Central Lancashire.

For more information visit FRPM17.COM

THEMES INCLUDE:

- New developments in fire retardants
- Investigating fire retardant mechanisms
- New developments in FR coatings and textiles
- Biobased fire retardant materials
- Fire retardants and the Environment
- Testing, Characterisation and Modelling of Fire retardant Materials
- Composites 1: Fire resistant structures and new developments
- Composites 2: Reaction to fire (heat release, smoke and toxicity) of composites

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Prof. A. Geoff Gibson
Prof. A. Richard Horrocks

Prof. T. Richard Hull
Prof. Baljinder Kandola
Dr. Anna A. Stec

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Dr. De-Yi Wang
Prof. Carl-Eric Wilén
Prof. Charles A. Wilkie
Dr. Mauro Zammarano



Forthcoming Meetings and Conferences

UK Colloids 2017:

An International Colloids and Interface Science Symposium

July 10th - 12th 2017 Manchester www.ukcolloids.com

This international triennial conference organised by the RSC Colloid and Interface Science Group and the SCI Colloid and Surface Chemistry Group, will provide a perfect opportunity for UK and international researchers to meet, network and learn about the latest discoveries in the fields of Colloid, Interface and Biomedical Nanoparticle science.



ROYAL SOCIETY
OF CHEMISTRY



SCI
where science meets business

www.colloidsgroup.org.uk

UK Colloids 2017: An International Colloids and Interface Science Symposium

Who should attend

Researchers and students from industry and academia interested in all aspects of colloid, interface and nano science.

Plenary and keynote speakers

Plenary speakers are Professor Debora Berti (University of Florence and Centre for Colloid and Surface Science, Italy), Professor Vinny N Manoharan (Harvard University, USA) and Professor Paul Mulvaney (University of Melbourne, Australia). Professor Joseph Keddie (University of Surrey, UK) will be giving the Thomas Graham Lecture. The meeting has also attracted an impressive list of international keynote speakers, full details can be found on the website.

Call for papers

Abstract submission opens early January 2017. Please visit the meeting website for full details of submission and registration.

Meeting themes include

- Wetting
- Nanoparticles
- Foams/Bubbles/Emulsions and microemulsions
- Colloidal suspensions
- Programmable self-assembly
- Biocolloids and Biointerfaces
- Characterisation of Formulated Products
- Colloidal Physics
- Formulation Science and Engineering

Registration Deadline

Registration opens early October 2016.
The early bird deadline is in April 2017

Social Events

The conference dinner will be held at the world famous Old Trafford the home of Manchester United. The evening will start with a drinks reception in the fascinating museum.

Other social events include a welcome and pre-registration event in the Power Hall of the Museum of Science and Industry. Where some of the machines will be running. There will also be poster sessions at Manchester Central with a chance to network with other delegates and the exhibitors.

For more information

visit www.ukcolloids.com or email ukcolloids@constableandsmith.com



Forthcoming Meetings and Conferences

IOP Institute of Physics

Physical Aspects of Polymer Science 2017

13–15 September 2017, Swansea University, Bay Campus, Swansea, UK



The 28th biennial meeting of the Polymer Physics Group will be held at Swansea University. This event will provide an opportunity for researchers from both academia and industry to discuss the latest innovations in understanding and manipulating the physical behaviour of a wide range of polymeric systems.



This international conference will involve several invited speakers, and include the **2017 Founders' prize lecture**. The conference will contain presentations across a broad range of topics, with contributed presentations welcomed from postgraduate students and established researchers alike.

Further details regarding invited speakers, abstract submission, registration and sponsorship/exhibition opportunities will be available in autumn/winter 2016/7 (see the next edition of the Bulletin or the IOP conference website; <http://paps17.iopconfs.org/Home>).

Forthcoming Meetings and Conferences

Date(s)	Title and Location	Organiser
7 - 9 September 2016	Recent Appointees in Polymer Science Conference (RAPS 2016), Loughborough University, UK	http://www.raps.org.uk/raps-meetings
19 - 23 September	JEPO, France	https://jepo2016.univ-rennes1.fr/gb/
22-23 September 2016	Recent Appointees in Materials Science Conference (RAMS 2016), Lancaster University, UK	http://rams2016.org/
14 – 17 November 2016	12th International Saint-Petersburg Conference of Young Scientists, Saint-Petersburg - Russia	www.onlinereg.ru/polymer-young
20 – 23 November 2016	36 APS, Australia	http://www.36aps.org.au/
30 November 2016	Careers in Polymer Science, Sheffield University	
12-14 December 2016	The Science of Alexei Likhtman, University of Reading	http://www.reading.ac.uk/math-and-stats/news/BSR-conference.aspx
March 2017	McBain Medal meeting	http://www.soci.org/Awards/Technical-Group-Awards/McBain-Medal.aspx
4 April 2017	Rideal Medal meeting	http://www.soci.org/Awards/Technical-Group-Awards/Rideal-Lecture.aspx
2 - 7 July 2017	EPF2017, Lyon, France	http://epf-2017-lyon.sciencesconf.org/
3 - 6 July 2017	FRPM 2017, Manchester UK	http://www.frpm17.com/
10-13 July 2017	13th International Conference on Materials Chemistry (MC13), Liverpool	http://www.rsc.org/events/detail/21273/13th-international-conference-on-materials-chemistry-mc13
10-12 July 2017	UK Colloids 2017 International Colloid and Surface Science Symposium, Manchester	www.ukcolloids.com
13-15 September 2017	Physical Aspects of Polymer Science, Swansea University, UK	http://www.iop.org/calendar
September 2017	The Polymer Degradation Discussion Group conference, Taormina, Sicily	http://pddg.org/taormina-pddg-conference-2017