

The British Carbon Group

NEWSLETTER – SPECIAL BULLETIN

February 2022



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Carbon 2022

'Carbon for a Cleaner Future'

The World Conference on Carbon
Hosted by the British Carbon Group
Venue: Imperial College London, UK
Jul 03, 2022 — Jul 08, 2022



[Carbon 2022](#)



IOP
Institute of Physics



See www.britishcarbon.org for further details

Contents

Editorial.....	2
Speakers:.....	4
Themes & Key Dates:	5
Contact to the Group.....	5
Items for the next newsletter – Submit an Article	5

Editorial

Samantha Wilkinson, Communications and New Media Officer

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This special edition of the British Carbon Group newsletter has been produced to coincide with announcing the forthcoming 2022 World Conference on Carbon. The British Carbon Group last hosted the conference in 2006, at the Robert Gordon University in Aberdeen; hundreds of carbon scientists milling and discussing amongst granite walls and over windswept highlands. Now, some 16 years later, the carbon scientists are back, but this time we will be greeting you all in the hustle and bustle at the heart of modern 21st century London.

The conference has a long history which traces that of carbon research. Its origins lie in two national meetings. The Society of Chemical Industry had an "Industrial Carbon and Graphite" group organised by Professor AR Ubbelohde, who ran meetings on Industrial carbon and graphite roughly every four years from the late 1950s until about 1977. In parallel the American carbon groups also began running national carbon meetings in the 1950s, forming the American Carbon Society to organise these. The two sets of meetings were arranged (much like the winter and summer olympics!) to fall on alternate two years, and eventually the meetings merged into the Carbon conference. The "Carbon" journal published by Elsevier was originally established by Mrozowski in 1963 as a means of centralising carbon research publications (Carbon, Vol 37, Issue 6, 1999, p881-885), and has been the primary specialised journal for our field. Since 2000 the conference has been running in roughly its current form, and now rotates every year between Asia, the Americas and Europe, organised each time by national carbon associations.

There is thus a rich history behind this meeting, and it is fitting that this year we are hosting the meeting in Imperial College, the University where Professor Ubbelohde spent most of his working life and, for example, first pioneered the production of Highly Oriented Pyrolytic Graphite (HOPG) (one of our newsletter editors, Norman Parkyns, was a PhD student of his!) We hope that you will be able to attend this year and help us write the next chapters of carbon research.

Welcome:

Dr. Geoff Fowler, British Carbon Group President and Chair of the 2022 World Conference on Carbon

"It is my pleasure as President of the British Carbon Group and Chairman of the Conference organising committee, to warmly invite the global Carbon community to the World Conference on Carbon, Carbon '22, being held at Imperial College in London, UK from 3-8th July 2022.

It has not been an easy journey reaching the point of formally launching the Conference. The COVID-19 pandemic prevented us meeting in Japan in 2020 and we made a very difficult decision to postpone Carbon '21 in London, which was only made possible thanks to the support and cooperation of our colleagues in Mexico and the other carbon associations across the globe respectively, agreeing to this delay and moving their own event in Cancun to 2023 and subsequent events on one year.



The COVID-19 pandemic has had a hugely detrimental impact on our community, breaking links between groups, disrupting research, notwithstanding the huge human costs. We know how important it is that we can meet again in person to re-establish the discussion, co-operation and collaborations at the heart of the Carbon research community.

The Carbon '22 theme is 'Carbon for a Cleaner Future'. Arguably, there has never been a more important time when new scientific and technological innovation from the Carbon research community has been needed. Carbon, as carbon dioxide, is blamed for the current climate and environmental problems. It is our sincere hope that research presented and launched at Carbon '22 will emphasize the message that Carbon-based materials are an important part of the solution.

The conference will be based in my own Institution, Imperial College London. Imperial lies in the very heart of London's South Kensington district, where the Great Exhibition of 1851 was located and inspired the Victorian era. We hope that alongside the innovative and technical elements of Carbon '22, you will find time to enjoy the vast cultural and culinary delights that London has to offer, most within walking distance or a short tube ride from the conference. Our conference dinner will be on board a river Thames cruise boat, passing many of London's most historical landmarks such as Tower Bridge and HMS Belfast.

We cannot wait to welcome you to London to continue the traditions started with the first World Carbon Conference in 2000, when scientists from around the globe gathered to discuss and celebrate advancements in the field of Carbon science and technology together in-person, and we intend to continue that tradition in Carbon '22 - 'Carbon for a cleaner future'.

Short abstract submission Extended to 15th February 2022



Speakers:

Kostya Novoselov, FRS NL

University of Manchester

Nobel prize winner Professor Sir Kostya Novoselov FRS is an expert in condensed matter physics, mesoscopic physics and nanotechnology. His presentation will be titled 'Materials for the Future'.



Teresa J. Bandosz

City College of New York

Professor Teresa J. Bandosz specialises in separation process, energy storage and environmental & energy related catalysis. Her work during last 30 years has resulted in 6 US patents and over 400 publications in peer-reviewed journals. She will present 'A 'magic' power of confined space enhanced by heteroatoms'.



Conchi Ania

Conditions Extrêmes et Matériaux : Haute Température et Irradiation

Dr Conchi Ania is Research Scientist of CSIC (Spanish Council for Scientific Research) in Oviedo (Spain) and Research Director of CNRS (Centre National de la Recherche Scientifique) in Orléans (France). She is an expert in energy and environmental chemistry, materials science and absorption. Her presentation will be titled 'Metal-free nanoporous carbon photoelectrocatalysts for energy conversion and environmental remediation'.



Jason Jieshan Qiu

Carbon Materials Research Laboratory, Dalian University of Technology

Professor Jason Jieshan Qiu is the vice president of the Energy Research Institute at Dalian University of Technology and is vice chairman of the China Society of Micro and Nanotechnology. He specialises in high performance carbon materials, solar cells & batteries and high performance catalysts. He will present 'Functional Carbon Materials for A Better World: Design, Fabrication and Properties'.



Themes & Key Dates:

Conference session themes:

Environmental Carbon Nanoscale Carbons
Carbon in Energy Amorphous Carbons
Carbon in Biology, Medicine & Health Carbon Fibres & Composites
Graphite Physiochemical Carbon Properties
Diamond Innovative Carbons for Sustainability
Heterocarbons

Deadline for short abstract submission :

15th February 2022

(EXTENDED: This will be the final extension)

Confirmation of acceptance :

10th March 2022

Registration deadline for the oral presentations :

15th March 2022, midday (GMT)

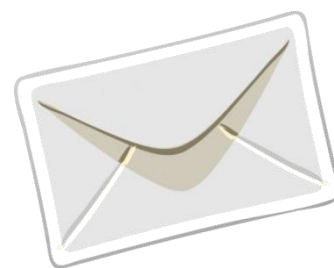
Early bird registration :

15th April 2022, midday (GMT)

Contact to the Group

The BCG welcomes its members to get in touch with us! Let us know if you attended an event and it sparked an idea, you have been involved in a particularly interesting project or have any other thoughts which might be of interest to the rest of the group!

Please submit any thoughts to samantha.wilkinson@uknnl.com



Items for the next newsletter – Submit an Article

We'd like to hear what you're doing, what you think of the British Carbon Group, any ideas you may have for networking opportunities or anything else you think would be of interest to the rest of the Group. We plan to publish the next Newsletter in Autumn 2022.