

Nanotechnology Newsletter



18 January 2023
Newsletter issue 079

Welcome

Welcome to our first 2023 Nanotechnology Newsletter. We hope you all had a good Christmas break and are back in the nano-world now. A lot of people are asking about the outlook on the 2023 for various industries. Here are a few trends we have observed:

- Green trend – a lot of start-ups and investors will continue working towards green goals even if the technologies in question are not green at all. If you want to get funded - paint it green.
- Graphene – tough year ahead. A new breed of “one graphene wonder” start-ups emerging that make their own graphene and use it in their own application.
- Instrumentation – large amounts of money allocated to research and development may finally find their way to nano-related instrumentation markets. We predict a rise in orders for analytical tools in 2023.
- Fine bubbles – this area still struggles with high energy barrier to generate large scale bubble volumes for its green applications. Those players who can solve this problem will win a lot.
- Regulation – Advanced materials will be regulated for the first time without robust definition in place. This may cause confusion.
- Standards – maturity of standards in nanotech is reaching the point we are looking to standardise nano-enabled and nano-enhanced applications based on their performance.
- Nanomedicine – this area was awash with funding and media coverage but in 2023 will suffer serious reputational damage and consolidation.
- Academia – in 2023 we shall see the first academic publication fully generated by AI (ChatGPT) without any experimental backing. We are entering into the world of deep fakes we have never seen before.

BREC Updates

[ISO 19430](#) (on Particle Tracking Analysis) is going through balloting with particle counting and sizing updates. Ready for NTA 2.0?

BREC recently published a comprehensive report on Fine Bubble Technology:

[Global report on Fine Bubble Technology: Technology, Markets, Applications](#)



Follow this [link](#) for further information

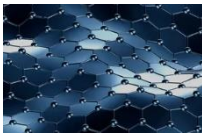
Nanotechnology News



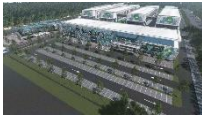
[Bahraini part of new research](#)



[Toray Shows Advancements with PMMA Nanopore Fiber Tech](#)



[At the Edge of Graphene-Based Electronics](#)



[Graphjet signs LO for new production plant](#)



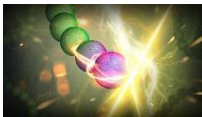
[G6 Materials launches a range of graphene-enhanced electrically-conductive adhesives](#)



[Focus Graphite Closes Private Placement](#)



[The applications of amorphous graphite in industry and science](#)



[Materials and nanotechnology: our favourite research in 2022](#)



[Launch of the NanoMeasureFrance association](#)



[Graphene nanotubes prevent static electricity buildup in TPU hoses](#)



[Dirty laundry: Microplastic pollution from machine and handwashing revealed](#)

Current Discussions

We now have our own [Tik Tok channel](#)



Our partners:



Nanotech Events

- 18/01/2023 [Global Summit on Nanoscience and Technology \(Euro Nanomat- 2023\) \(Vancouver, Canada\)](#)
- 24/01/2023 [Climate Change National Nanotechnology Challenge \(Online\)](#)
- 26/01/2023 [BioNanoNet Member Welcome Webinar #4](#)
- 31/01/2023 [NMBP-13 Future-proof Approaches for Risk Governance – Lessons Learned from Nanomaterials \(online\)](#)
- 01/02/2023 [International Nanotechnology Exhibition & Conference \(nano tech 2023\) \(Tokyo, Japan\)](#)
- 01/02/2023 [Environmental, Health, and Safety Implications of Metal Nanoparticles in Aquatic Environments](#)
- 07/02/2023 [2nd UK Advanced Materials workshop \(online\)](#)
- 07/02/2023 [CUSP workshop series on Human Risk Assessment of MNPs \(Online\)](#)
- 08/02/2023 [The 12th Annual World Congress of Nano Science & Technology \(Sapporo, Japan\)](#)
- 08/02/2023 [7th Annual World Congress of Smart Materials-2023](#)
- 08/02/2023 [BIT's 7th Annual World Congress of Smart Materials-2023 \(WCSM-2023\) \(Sapporo, Japan\)](#)
- 15/02/2023 [36th International Conference on Nanomaterials and Nanotechnology \(London, UK\)](#)
- 16/02/2023 [WORKSHOP International Nanosafety and Nanostandardization: Status, Gaps, Needs and the Role of INISS \(online\)](#)
- 20/02/2023 [ICPSN 2023: 17. International Conference on Polymer Science and Nanotechnology \(Buenos Aires, Argentina\)](#)

Event Information

We have put together and [Event Congestion Calendar](#) for all known nanotechnology conferences and webinars. We will update it for you as we get more events listed.

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
16/05/2022	2	2	2	2	1	0	0
18/05/2022	0	0	0	0	0	0	0
20/05/2022	1	1	1	1	0	0	0
04/06/2022	0	0	1	1	1	0	0
13/06/2022	0	0	1	1	1	0	1
20/06/2022	2	2	3	3	2	0	0
27/06/2022	1	1	0	0	1	3	3
04/07/2022	4	6	6	6	4	2	0
11/07/2022	0	0	0	1	1	0	0
18/07/2022	0	0	0	0	0	0	1
25/07/2022	1	1	1	1	0	0	0
01/08/2022	0	0	0	0	0	0	0
08/08/2022	0	0	0	0	0	0	0
15/08/2022	0	0	0	0	0	0	0
22/08/2022	0	0	0	0	0	0	0
29/08/2022	0	0	0	0	0	0	0
05/09/2022	0	0	0	0	0	0	0
12/09/2022	0	0	0	0	0	0	0
19/09/2022	3	4	4	4	1	0	0
26/09/2022	0	0	0	0	0	0	0
03/10/2022	1	1	1	0	0	0	0
10/10/2022	0	1	1	0	0	0	0

Here are some of our partner events:



Call for Abstracts



endorsed by



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- 20/02/2023 [Worldwide congress on Nanotechnology and Materials Engineering \(Paris, France\)](#)
- 01/03/2023 [CHInano Conference & Expo \(Suzhou, China\)](#)
- 13/03/2023 [4th Edition of International Conference on Materials Science And Engineering](#)
- 14/03/2023 [NanoCarbon Annual Conference \(Würzburg, Germany\)](#)
- 15/03/2023 [Smart Materials - 2023 \(Barcellona, Spain\)](#)
- 17/03/2023 [International Congress on Advanced Materials Sciences and Engineering \(Vienna, Austria\)](#)
- 20/03/2023 [2nd Global Summit on Nanomaterials: Applications and Properties \(Rome, Italy\)](#)
- 20/03/2023 [International Conference on Graphene, Semiconductors & 2D Materials \(SCOPUS\) \(Dubai, UAE\)](#)
- 20/03/2023 [7th International Conference on Nanomedicine and Nanotechnology \(Nanomedicine 2023\) \(Paris, France\)](#)
- 20/03/2023 [2nd Global Summit on Nanomaterials: Applications and Properties \(NANOMAT2023\) \(Rome, Italy\)](#)
- 23/03/2023 [8th International Conference on Nanomedicine, Drug Delivery, and Tissue Engineering \(NDDTE 2023\) \(Lisbpon, Portugal\)](#)
- 23/03/2023 [8th International Conference on Nanomaterials, Nanodevices, Fabrication and Characterization \(ICNNFC'23\) \(Lisbon, Portugal\)](#)
- 23/03/2023 [2023 International Conference on Smart Materials and Surfaces \(ICoSMS 2023\) \(Shanghai, China\)](#)
- 23/03/2023 [8th World Congress on Recent Advances in Nanotechnology \(RAN 2023\) \(Lisbon, Portugal\)](#)

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- 27/03/2023 [Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)
- 27/03/2023 [Scholars Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)
- 27/03/2023 [International Conference on Nanomaterials and Nanotechnology \(Paris, France\)](#)
- 27/03/2023 [Scholars Frontiers in Nanoscience and Nanotechnology Congress \(London, UK\)](#)
- 13/04/2023 [4th International Conference on Nanomaterials, Nanofabrication and Nanocharacterization \(NANOMACH\) \(Oludeniz, Turkey\)](#)
- 17/04/2023 [3rd International Conference on Nanotechnology & Chemistry \(Paris, France\)](#)
- 17/04/2023 [35th Nano Congress for Future Advancements \(Paris, France\)](#)
- 19/04/2023 [Graphene & 2D Materials 2023 \(Los Angeles, USA\)](#)
- 24/04/2023 [INTERNATIONAL SUMMIT ON GRAPHENE AND 2D MATERIALS \(Valencia, Spain\)](#)
- 24/04/2023 [6th edition of World Nanotechnology Conference \(Orlando, USA\)](#)
- 26/04/2023 [Tribology International Conference 2023 \(Tribology 2023\) \(Venice, Italy\)](#)
- 27/04/2023 [3rd Materials Science and Nanotechnology Conference \(Dubai, UAE\)](#)
- 27/04/2023 [3RD MATERIAL SCIENCE AND NANOTECHNOLOGY CONFERENCE \(Dubai, UAE\)](#)
- 27/04/2023 [IEEE International Conference on Nanoelectronics, Nanophotonics, Nanomaterials, Nanobioscience & Nanotechnology \(5NANO 2023\) \(Kottayam, India\)](#)

- 08/05/2023 [BIT's 9th Annual World Congress of Advanced Materials-2023 \(WCAM-2023\) \(Tokyo, Japan\)](#)
- 22/05/2023 [Global Meet on 2D Materials and Graphene \(GM2DMAT2023\) \(Toronto, Canada\)](#)
- 22/05/2023 [2nd Global Summit on Semiconductors, Optoelectronics and Nanostructures \(Brussels, Belgium\)](#)
- 24/05/2023 [2nd Global experts conference on Nanotechnology and Nanoscience \(Dubai, UAE\)](#)
- 24/05/2023 [The International Conference on Nano Research and Development \(ICNRD-2023\)](#)
- 26/05/2023 [2nd World Conference on Materials Science and Nanotechnology \(Brussels, Belgium\)](#)
- 29/05/2023 [The 2023 Spring Meeting of the European Materials Research Society \(E-MRS\)\(Strasburg, France\)](#)
- 30/05/2023 [The 66th International Conference on Electron, Ion and Photon Beam Technology and Nanofabrication \(EIPBN\) \(San Francisco, USA\)](#)
- 04/06/2023 [THE 23RD INTERNATIONAL CONFERENCE on the Science and Applications of Nanotubes and Low-Dimensional Materials \(Bordeaux, France\)](#)
- 05/06/2023 [2ND INTERNATIONAL MEET ON CONDENSED MATTER PHYSICS - CMPMEET2023 \(PARIS, FRANCE\)](#)
- 05/06/2023 [CONFERENCE on Condensed Matter](#)
- 11/06/2023 [EuroNanoForum2023 \(Malmoe, Sweden\)](#)
- 11/06/2023 [Nanotechnology and advanced materials for a sustainable and safe Europe\(EuroNanoForum 2023\) \(Lud, Sweden\)](#)
- 11/06/2023 [Cancer Nanotechnology \(Waterville Valley, USA\)](#)

- 12/06/2023 [International Summit On Magnetism and Magnetic Materials \(ISMMM2023\) \(Paris, France\)](#)
- 12/06/2023 [Nano Conference 2023 \(Vancouver, Canada\)](#)
- 19/06/2023 [Scholars World Congress on Material Science and Nanotechnology \(Paris, France\)](#)
- 26/06/2023 [40th Global Summit on Nano science and Technology \(Tokyo, Japan\)](#)
- 27/06/2023 [The 13th edition of Graphene Conference series \(Graphene 2023\) \(Manchester, UK\)](#)
- 27/06/2023 [13th edition of Graphene Conference series, the largest European Event in Graphene and 2D Materials \(Graphene 2023\) \(Manchester, UK\)](#)
- 28/06/2023 [International Congress And Expo On Materials Science And Nanoscience](#)
- 28/06/2023 [8th ed. of Nanotech France 2023 Int. Conference and Exhibition](#)
- 28/06/2023 [NanoMatEn 2023 - The 8th Ed. of the NanoMaterials for Energy and Environment 2023 \(Paris, France\)](#)
- 28/06/2023 [GAMS 2023 The Global Advanced Materials & Surfaces International Conference 2023](#)
- 28/06/2023 [NanoMetrology 2023 The 8th Ed. of Nanometrology 2023 International Conference \(Paris, France\)](#)
- 28/06/2023 [International Congress and Expo on Materials Science and Nanoscience \(EUROMSN2023\) \(Paris, France\)](#)
- 29/06/2023 [6th International Conference on Polymer Science and Nanotechnology \(Barcelona, Spain\)](#)
- 02/07/2023 [23rd IEEE International Conference on Nanotechnology \(IEEE-NANO 2023\) \(Jeju Island, Korea\)](#)
- 05/07/2023 [40th Global Nanotechnology Congress \(Paris, France\)](#)
- 22/07/2023 [11th Annual Congress \(Nano S&T-2022\) \(Barcelona, Spain\)](#)

- 22/07/2023 [Annual Congress of Nano Science and Technology \(Nano S&T\) \(Barcelona, Spain\)](#)
- 22/07/2023 [BIT's 6th Annual World Congress of Smart Materials-2023 \(WCSM-2023\) \(Barcelona, Spain\)](#)
- 22/07/2023 [Annual World Congress of Smart Materials-2023 \(Barcelona, Spain\)](#)
- 27/07/2023 [29th International conference on Advanced Materials & Engineering \(Hamburg, Germany\)](#)
- 30/07/2023 [23rd International Conference on Composites Materials \(ICCM 23\) \(UK\)](#)
- 09/08/2023 [14th International Conference on Nanotechnology: Fundamentals and Applications \(ICNFA'23\) \(London, UK\)](#)
- 10/08/2023 [6th Annual Congress on Nanomedicine and Drug Delivery](#)
- 17/08/2023 [ICPSN 2023: 17. International Conference on Polymer Science and Nanotechnology \(Budapest, Hungary\)](#)
- 17/08/2023 [3rd International Meet on Nanotechnology \(NANOMEET2023\) \(Vancouver, Canada\)](#)
- 04/09/2023 [24th Conference on Material Science, YUCOMAT 2023, \(Herceg Novi, Montenegro\)](#)
- 18/09/2023 [The 2023 Fall Meeting of the European Materials Research Society \(E-MRS\)](#)
- 18/09/2023 [2nd International Meet & Expo on Materials Science and Nanomaterials Conference \(MaterialsMeet2023, Lisbon, Portugal\)](#)
- 18/09/2023 [6th world Congress on Materials science and Engineering](#)
- 25/09/2023 [7th Edition of World Nanotechnology Conference \(Valencia, Spain\)](#)
- 25/09/2023 [5th Edition of International Conference on Materials Science and Engineering \(MAT 2023\) \(Valencia, Spain\)](#)

- 25/09/2023 [International Conference on Nanotechnology & Materials Science \(NanoMat 2023\) \(Barcelona, Spain\)](#)
- 26/09/2023 [International Processing Trade Fair for Powder, Bulk Solids, Fluids and Liquids \(POWTECH, Nuremberg, Germany\)](#)
- 07/10/2023 [International Conference on Powder Technology and Particle Science \(ICPTPS 2023: 17. Tokyo, Japan\)](#)
- 12/10/2023 [8th European Congress on Advanced Nanotechnology and Nanomaterials \(London, UK\)](#)
- 25/10/2023 [SMS 2023 - The 8th Ed. of the Smart Materials and Surfaces - SMS 2023 Conference \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [NanoMed 2023 NanoMedicine International Conference - NanoMed 2023 \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [Sensors 2023 The 3rd edition of the Sensors Technologies International conference - Sensors 2023 \(Albufeira-Algarve, Portugal\)](#)
- 25/10/2023 [EGF 2023 - The 8th Ed. of the European Graphene Forum \(Albufeira-Algarve, Portugal\)](#)
- 26/10/2023 [3rd Global Summit and Expo on Materials Science and Nanoscience \(GSEMSN2023\) \(Barcelona, Spain\)](#)
- 28/10/2023 [International Conference on Powder Technology and Particle Science \(ICPTPS 2023: 17. Lisbon, Portugal\)](#)
- 02/11/2023 [3rd International Meet & Expo on Graphene and Carbon Nanostructures \(GRAPHENEMEET2023\) \(Rome, Italy\)](#)
- 08/11/2023 [2nd World Symposium on Materials Sciences and Engineering \(SMSE2023\) \(Singapore\)](#)
- 15/02/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Bogota, Colombia\)](#)

07/10/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Tokyo, Japan\)](#)

28/10/2024 [International Conference on Powder Technology and Particle Science \(ICPTPS 2024: 18. Lisbon, Portugal\)](#)