

Nanotechnology Newsletter



Newsletter issue 052

31 March 2017

Welcome to our nanotechnology newsletter. This newsletter aims to cover most recent nanotechnology news and developments in industry, innovation, standards and regulation. To ensure that you receive Nanotechnology Newsletters, please add denis@brec-solutions.com to your address book or list of safe senders. If someone forwarded this newsletter to you and you would like to sign up then follow this [link](#).

Nanotechnology News

One of the greatest topics of March 2017 was Graphene with articles on [China's patenting strategy](#), innovation strategy and [investment](#). There was a sign of [oversupply of graphite](#) and indication of downward push on prices that may affect graphene. Despite this [Haydale](#) showed very positive growth and talk of Graphene reached even [Capitol Hill](#). In EU, [ECHA was advised to change strategy on nanomaterial regulation](#), nanoSafety cluster published its [report, NanoReg is releasing its deliverables](#), the Council of Europe amended [Medical devices directive](#) that affects "nanodevices" and [SCCS considered three types of nano-TiO2 safe](#) for cosmetics applications. ISO TC229 and IEC TC113 published a [vocabulary standard for Nano-enabled electrotechnical products and systems](#) with a standard on 2D materials (ISO/IEC TS 80004-13, Nanotechnologies - Vocabulary -- Part 13: Graphene and related two-dimensional (2D) materials) also being submitted for publication. Interesting opinion pieces appeared from [Tim Harper](#) and [Jiri Kus](#) and the [NIA reacted to KEMI notification scheme](#). Companies in the headlines were: [Haydale](#) and [Nanobiotix](#).

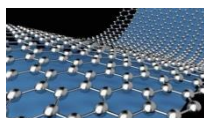
About BREC Solutions



BREC Solutions is an independent consulting firm with a niche specialisation in nanotechnology innovation, standards, market evaluation and regulation. [Dr Koltsov](#) is the Chairman of the [ISO TC229](#), member of the Strategy Board of directors of [NanoReg2](#) and on Stakeholder Panel on [nanoDefine](#).



[2016's Top Patent and Trade Secret Developments for Chemistry and Nanotechnology](#)



[Graphene Patents and China's Strategy](#)



[Echa sent back to drawing board on nanoform information requests](#)



[ISO Publishes Standard on Vocabulary for Nano-Enabled Electrotechnical Products and Systems](#)

In the month of March BREC participated in a number of events such as CEN TC352 (Nanotechnologies Standards Committee) and JIIP project meeting on NanoData and Scenario building. We thank JIIP organisers and partners for the invitation. BREC Network has also grown and we welcomed a number of world experts in nanotechnology-related sectors.

BREC Network offers services in:

- Regulation
- Standards
- Technology Scouting
- Market Evaluation
- Nanomaterials Sales



[NanoSafety Cluster Research Regulatory Roadmap 2017](#)



[Innovation is not a Magic Sausage Machine](#)



[Withdraw nano register proposal, NIA tells Sweden's Kemi](#)



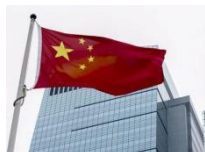
[NanoReg is about to publish results](#)



[Council releases Position on Medical Devices Regulation ahead of European Parliament committee vote on 21 March - UPDATE](#)



[SCCS considers Three coated Nano TiO2 Safe for use as UV-filter in Cosmetics](#)



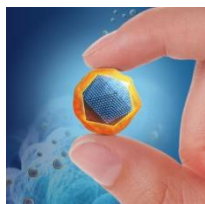
[China building world's largest nano research facility](#)



[Haydale Graphene's revenues rise 90% after major expansion](#)



[IM Graphite 2017: High supply situation in graphite to continue](#)



[Nanobiotix receives green light to continue clinical trial](#)



[Tour testifies on Capitol Hill about graphene 'space race'](#)



[Interview of the Chairman of the Czech Association of Nanotechnology Industry - Nanotechnology represents a promising industry](#)

Intelligence

- Nanomaterials Characterisation
- Nanotechnology Investment
- Environmental Nanotech
- NanoBio
- Pharmaceuticals

For more information please refer to our brochure or just [contact us](#) to find out more about our services.



This brochure is being revised and will be updated soon.

Our partners:





[China to strengthen support for graphene](#)

Events of Interest

- 01 April 2017 [5th International Conference on Nano and Materials Engineering \(ICNME 2017, Bali, Indonesia\)](#)
- 03 April 2017 [2nd International Nanotechnology Conference & Expo \(Dubai, UAE\)](#)
- 03 April 2017 [European Nanomedicine Meeting 2017 \(London, UK\)](#)
- 03 April 2017 [NanoWorld Conference \(NWC-2017, Boston USA\)](#)
- 04 April 2017 [2nd International Conference on Nanomedicine, Drug Delivery, and Tissue Engineering \(NDDTE'17\) \(Barcelona, Spain\)](#)
- 04 April 2017 [The 2nd International Conference on Nanobiotechnology \(ICNB'17\) \(BARCELONA, SPAIN\)](#)
- 04 April 2017 [The 2nd International Conference on Nanotechnology Modeling and Simulation \(ICNMS'17\) \(BARCELONA, SPAIN\)](#)
- 04 April 2017 [ICNNFC'17 — 2nd International Conference on Nanomaterials, Nanodevices, Fabrication and Characterization \(Barcelona, Spain\)](#)
- 04 April 2017 [The 2nd International Conference on Nanotechnology and Environmental Issues \(ICNEI'17\)](#)
- 04 April 2017 [NanoMONITOR 1st stakeholders' day \(Valencia, Spain\)](#)
- 05 April 2017 [4th World Congress and Expo on Nanotechnology and Materials Science \(Nano and Materials Science-2017, Barcelona, Spain\)](#)
- 05 April 2017 [13th Zsigmondy Colloquium of the German Colloid Society \(Saarbrücken, Germany\)](#)
- 06 April 2017 [HiPerNano 2017 -The Knowledge Transfer Network\(London, United Kingdom\)](#)
- 09 April 2017 [2017 IEEE 12th International Conference on Nano/Micro Engineered and Molecular Systems \(NEMS, Los Angeles, United States \)](#)
- 12 April 2017 [NanoDay in Pardubice](#)
- 17 April 2017 [The 2017 Materials Research Society Spring Meeting \(Phoenix, Arizona, USA\)](#)
- 24 April 2017 [Hannover Messe 2017 - With dedicated Micro-Nano-Area \(Hannover, Germany\)](#)
- 24 April 2017 [Nanomaterials : Industrial Workshop on Safe-By-Design \(Bilbao, Spain\)](#)
- 24 April 2017 [International Conference and Exhibition on Pharmaceutical Development and Technology \(Dubai, UAE\)](#)

Featured Events



Commercialisation of
nanomaterials
7 June 2017 London



[21 June 2017 \(Malta\)](#)

22-23.06.2017 **Katowice, PL**



**Biggest Polish
Business to Science
International Conference**
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- 26 April 2017 [3rd International Smart Materials & Surfaces Conference \(Paris, France\)](#)
- 26 April 2017 [The 3rd Edition of the European Graphene Forum 2017 Conference and Exhibition \(EGF 2017\) \(Paris, France\)](#)
- 07 May 2017 [European Foundation for clinical nanomedicine \(CLINAM -Basel, Switzerland\)](#)
- 08 May 2017 [10th Asia-Pacific Pharma Congress \(Singapore\)](#)
- 10 May 2017 [IDTechEx Graphene and 2D Materials event \(Berlin, Germany\)](#)
- 14 May 2017 [World Innovation 2017 Conference & Expo \(Washington DC, USA\)](#)
- 22 May 2017 [European Materials Research Society \(E-MRS\),\(Strasbourg, France\)](#)
- 28 May 2017 [11th International Conference on New Diamond and Nano Carbons 2017 \(Cairns, Australia\)](#)
- 29 May 2017 [International Conference on Oxide Materials for Electronic Engineering – fabrication, properties and application, Lviv, Ukraine](#)
- 29 May 2017 [International Conference and Exhibition on Nanomedicine and Drug Delivery \(Osaka, Japan\)](#)
- 29 May 2017 [8th International Symposium on Nanotechnology, Occupational and Environmental Health \(Konventum, Elsinore, Denmark\)](#)
- 29 May 2017 [8th International Conference and Exhibition on Materials Science and Engineering \(Osaka, Japan\)](#)
- 01 June 2017 [NanoTech Poland 2017 \(Poznan, Poland\)](#)
- 02 June 2017 [The engineering Materials show \(Derby,UK\)](#)
- 05 June 2017 [16th World Nano Conference \(Nano 2017, Milan, Italy\)](#)
- 05 June 2017 [Trends in Nanotechnology International Conference \(TNT2017\),\(Dresden, Germany\)](#)
- 05 June 2017 [International Nanotechnology Conference for Renewable Materials \(Montreal, Canada\)](#)
- 06 June 2017 [The 8th International Conference on Nanotechnology: Fundamentals and Applications \(ICNFA'17\) \(Rome, Italy\)](#)
- 07 June 2017 [Commercialisation of nanomaterials: process, issues, and management \(London, UK\)](#)
- 12 June 2017 [9th World Congress on Materials Science and Engineering \(Rome, Italy\)](#)
- 12 June 2017 [2nd International Conference on Applied Surface Science \(ICASS, Dalian, China\)](#)
- 14 June 2017 [6th Annual World Congress of Advanced Materials \(WCAM-2017, Xi, China\)](#)
- 20 June 2017 [2nd Open meeting on Standardisation for Nanotechnologies and Nanomaterials \(Malta\)](#)
- 21 June 2017 [EuroNanoForum 2017 \(Valletta, Malta\)](#)
- 22 June 2017 [InterNanoPoland \(Katowice, Poland\)](#)
- 25 June 2017 [18th International Conference on the Science and](#)



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Contact Information:
[BREC Solutions Limited](#)
 43 Bank Road
 Lancaster, LA1 2DG,
 United Kingdom



tel (UK) +44 7887 931 658
 tel (PL) +48 7 949 948 68
 skype koltsov01
 email denis@brec-solutions.com

<http://www.brec-solutions.com>

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- [Application of Nanotubes and Low-dimensional Materials \(Belo Horizonte, Brazil\)](#)
- 26 June 2017 [3rd International Conference and Expo on Ceramics and Composite Materials \(Madrid, Spain\)](#)
- 28 June 2017 [Nanotech France 2017 International Conference and Exhibition \(Paris, France\)](#)
- 28 June 2017 [Nanometrology France 2017 Conference and Exhibition \(NanoMetrology 2017\) \(Paris, France\)](#)
- 28 June 2017 [NanoMaterials for Energy and Environment 2017 \(NanoMatEn 2017\) \(Paris, France\)](#)
- 01 July 2017 [NANOTECHNOLOGY 2017 \(Thessaloniki, Greece\)](#)
- 02 July 2017 [7th International Conference on Nanomaterials by Severe Plastic Deformation \(Sydney, Australia\)](#)
- 03 July 2017 [4th Annual Congress on Drug Discovery & Designing \(Bangkok, Thailand\)](#)
- 04 July 2017 [International Conference on Advanced Graphene Materials and Semiconductors \(Dubai, U.A.E. \)](#)
- 04 July 2017 [International Conference on Nanotechnology & Nanomaterials \(Dubai, UAE\)](#)
- 07 July 2017 [2ND INTERNATIONAL CONFERENCE ON NANOTECHNOLOGY AND NANOMATERIALS IN ENERGY \(ICNNE2017\) \(Lyon, France\)](#)
- 11 July 2017 [The 9th International Conference on Advanced Materials \(ROCAM 2017, Bucharest, Romania\)](#)
- 12 July 2017 [nano Korea 2017 \(Seoul, Korea\)](#)
- 15 July 2017 [ISER-196th International Conference on Nanoscience, Nanotechnology & Advanced Materials \(IC2NAM\)\(Beijing, China\)](#)
- 16 July 2017 [The Twenty-Fifth Annual International Conference on COMPOSITES/NANO ENGINEERING \(ICCE-25\) \(Rome, Italy\)](#)
- 17 July 2017 [3rd International Conference on Organic & Inorganic Chemistry Chicago, Illinois, USA](#)
- 17 July 2017 [International WE-Heraeus-Physics School on Exciting nanostructures: Probing and tuning the electronic properties of confined systems \(Physikzentrum Bad Honnef, Germany \)](#)
- 17 July 2017 [International Conference on Graphene and Semiconductors \(Chicago, Illinois, USA\)](#)
- 17 July 2017 [International Conference on Diamond and Carbon Materials \(Chicago, Illinois, USA\)](#)
- 19 July 2017 [9th International conference on Advanced Nanomaterials \(ANM2017 Avelro, Portugal\)](#)
- 19 July 2017 [3rd International conference on Advanced graphene materials \(ANM2017 Avelro, Portugal\)](#)
- 19 July 2017 [2nd International conference on Advanced magnetic and spintronics materials \(ANM2017 Avelro, Portugal\)](#)
- 19 July 2017 [1st International conference on Advanced polymer materials and Nanocomposites](#)

- [\(ANM2017 Avelro, Portugal\)](#)
- 23 July 2017 [17th International Conference and Exhibition on Nanomedicine and Nanotechnology in Health Care \(Melbourne, Australia\)](#)
- 24 July 2017 [3th International Conference and Exhibition on Pharmaceutical Nanotechnology \(Rome,Italy\)](#)
- 24 July 2017 [International Conference and Exhibition on Pharmaceutical Nanotechnology \(Rome, Italy\)](#)
- 25 July 2017 [IEEE 17th International Conference on Nanotechnology \(IEEE-NANO, Pittsburgh, United States \)](#)
- 25-Jul-2017 [Ultrafine Bubble Technology Symposium \(Singapore\)](#)
- 26-Jul-2017 [International Conference on Nanotechnology, Nanomaterials & Thin Films for Energy Applications \(Aalto University, Finland\)](#)
- 26 July 2017 [1st Global Conference on Materials Science and Nanotechnology \(Baltimore, US\)](#)
- 27 July 2017 [10th International Conference on Emerging Materials and Nanotechnology \(Vancouver, Canada\)](#)
- 31 July 2017 [International Conference on Nanobiotechnology \(Chicago, USA\)](#)
- 31 July 2017 [World Congress on Regulations of Nanotechnology \(Chicago, USA\)](#)
- 07 August 2017 [7th International Conference on Manipulation, Manufacturing and on the Nanoscale \(3M-NANO \) \(Shanghai, China\)](#)
- 07 August 2017 [ICANM 2017: International Conference & Exhibition on Advanced & Nano Materials \(Toronto, Canada\)](#)
- 13 August 2017 [Goldschmidt2017 \(Paris, France\)](#)
- 21 August 2017 [3rd Global Nanotechnology Congress and Expo \(Dallas, USA\)](#)
- 22 August 2017 [22nd International Conference of FFC - 10th International Symposium of ASFFBC \(Boston, MA, USA\)](#)
- 22 August 2017 [1st European Conference on Chemistry of Two-Dimensional Materials \(Chem2DMat\)\(Strasbourg, France\)](#)
- 22 August 2017 [Nanogenerator and Piezotronics Symposium \(Stockholm,Sweden\)](#)
- 22 August 2017 [Global Graphene Forum \(Stockholm, Sweden\)](#)
- 23 August 2017 [The International Conference of Theoretical and Applied Nanoscience and Nanotechnology \(TANN'17\) \(Toronto, Canada\)](#)
- 29 August 2017 [14th European Conference on Molecular Electronics \(ECME 2017 Dresden, Germany\)](#)
- 31 August 2017 [19th Nano Congress for Next Generation \(Brussels, Belgium\)](#)
- 03 September [12th International Conference on the](#)

2017 [Environmental Effects of Nanoparticles and Nanomaterials \(ICEENN 2017\) \(Birmingham, UK\)](#)

07 September 2017 [11th International Conference on Advanced Materials and Processing \(Edinburgh, UK\)](#)

10 September 2017 [8th International Conference on Fracture of Polymers, Composites and Adhesives \(Les Diablerets, Switzerland\)](#)

10 September 2017 [The Eleventh International Conference on Quantum, Nano/Bio, and Micro Technologies \(Rome, Italy\)](#)

11 September 2017 [International Conference on Advanced Nanotechnology \(Amsterdam, Netherlands\)](#)

13 September 2017 [Nanophotonics and Micro/Nano Optics International Conference 2017 \(Barcelona, Spain\)](#)

18 September 2017 [International Conference on Nanotechnology and Nanoscience \(Amsterdam, Netherlands\)](#)

18 September 2017 [2017 E-MRS Fall Meeting and Exhibit \(Warsaw, Poland\)](#)

25 September 2017 [8th Annual Pharmaceutical Analysis Congress \(Vienna, Austria\)](#)

25 September 2017 [International Conference On Nanomedicine And Nanobiotechnology – ICONAN 2017 \(Barcelona, Spain\)](#)

25 September 2017 [Graphene Week 2017 \(Athens, Greece\)](#)

25 September 2017 [2nd Global Congress & Expo on Materials Science and Nanoscience \(Valencia, Spain\)](#)

25 September 2017 [12th Annual Pharma Middle East Congress \(Dubai, UAE\)](#)

25 September 2017 [12th Annual Congress on Materials Science and Nanotechnology \(Dubai, UAE\)](#)

26 September 2017 [Micro Nano MEMS 2017 \(Birmingham , UK\)](#)

28 September 2017 [International Conference on Nanochemistry \(Atlanta, USA\)](#)

28 September 2017 [BIPM Workshop: The Quantum Revolution in Metrology \(Paris, France\)](#)

28 September 2017 [2nd International Conference on Biochemistry \(Dubai, UAE\)](#)

02 October 2017 [5th International Conference and Exhibition on Mechanical & Aerospace Engineering \(Las Vegas, Nevada, USA\)](#)

02 October 2017 [3rd International Conference on Polymer Science and Engineering \(Chicago, USA\)](#)

02 October 2017 [3rd International conference on rheology and modelling of materials \(Miskolc, Hungary\)](#)

09 October 2017 [3rd International Conference on Nanomaterials: Fundamentals and Applications \(Slovakia, Europe\)](#)

10 October 2017 [INC 2017 Industrial Nanocomposites Conference \(Stuttgart, Germany\)](#)

16 October 2017 [11th World Drug Delivery Summit \(Baltimore,](#)

- [USA](#)
- 16 October 2017 [5th International Congress and Expo on Nanotechnology and Materials Science \(Dubai, UAE\)](#)
- 16 October 2017 [9th Annual Congress on Drug Design & Drug Formulation During \(Seoul, South Korea\)](#)
- 16 October 2017 [16th Annual Medicinal & Pharmaceutical Sciences Congress \(Seoul, South Korea\)](#)
- 18 October 2017 [Nanocom \(Brno, Czech Republic\)](#)
- 18 October 2017 [Applied Nanotechnology and Nanoscience International Conference – ANNIC 2017 \(Rome, Italy\)](#)
- 18 October 2017 [15th World Medical Nanotechnology Congress & Expo \(Osaka, Japan\)](#)
- 19 October 2017 [16th Annual Medicinal & Pharmaceutical Sciences Congress \(Kuala Lumpur, Malaysia\)](#)
- 24 October 2017 [The 7th World Annual Congress of Nano Science & Technology - 2017 \(Hilton Fukuoka Sea Hawk, Japan\)](#)
- 26 October 2017 [13th International Conference on Advanced Materials and Nanotechnology \(Osaka, Japan\)](#)
- 27 October 2017 [Nano USA 2017 - International Conference and Exhibition on Nanoparticles & Nanotechnology \(USA\)](#)
- 02 November 2017 [International Conference and Exhibition on Biochemistry \(Illinois, USA\)](#)
- 02 November 2017 [4th HVM Graphene + New Materials 2017 \(Cambridge, UK\)](#)
- 06 November 2017 [22nd International Conference and Expo on Nanoscience and Molecular Nanotechnology \(Vienna, Austria\)](#)
- 06 November 2017 [Annual summit on Nanomedicine & its applications \(New Orleans, USA\)](#)
- 09 November 2017 [BIT's 1st World Congress of Biomedical Engineering-2017 \(Xian, China\)](#)
- 12 November 2017 [6th Biennial International Conference on Ultrafine Grained and Nano-Structured Materials \(Kish Island, Iran\)](#)
- 13 November 2017 [18th Nanotechnology Products And Expo \(Atlanta, USA\)](#)
- 13 November 2017 [13th International Conference and Exhibition on Materials Science and Engineering \(Las Vegas, Nevada, USA\)](#)
- 13 November 2017 [13th International Conference on Nanotek and Expo \(Atlanta, USA\)](#)
- 13 November 2017 [18 th Nanotechnology Products and Summit \(Atlanta, USA\)](#)
- 13 November 2017 [Global Nanomaterials Congress \(Singapore\)](#)
- 20 November 2017 [International Conference and Exhibition on Nanotechnology & Materials Science \(DUBAI,](#)

- [UAE\)](#)
- 23 November 2017 [17th International Conference and Exhibition on Nanomedicine and Nanotechnology in Health Care \(Melbourne, Australia\)](#)
- 26 November 2017 [The 2017 MRS Fall Meeting and Exhibit \(Boston, Massachusetts, USA\)](#)
- 11 December 2017 [3rd International Conference on Lipid Science & Technology \(Rome, Italy\)](#)
- 01 January 2018 [International Conference on Manipulation, Manufacturing and Measurement on the Nanoscale \(3M-Nano\) \(Hangzhou, China\)](#)
- 14 March 2018 [ICNN 2018 : 20th International Conference on Nanoscience and Nanotechnology \(London, UK\)](#)
- 29 March 2019 [ICNN 2019 : 21st International Conference on Nanoscience and Nanotechnology \(Paris, France\)](#)
-