



nano tech 2023
International Nanotechnology Exhibition & Conference

EXHIBITION REPORT

Organized by :
nano tech executive committee / JTB Communication Design, Inc.

Jtb Communication Design

18APR2023

OVERVIEW

Exhibition Name : nano tech 2023 - The 22nd International Nanotechnology Exhibition & Conference

ONSITE EXHIBITION

Date : 1 - 3 FEBRUARY 2023 10:00 – 17:00
 Venue : Tokyo Big Sight, Japan
 East Exhibition Hall 1-2 & Conference Tower

Concurrent Events:



DIGITAL EXHIBITION

1 DECEMBER 2022 – 28 FEBRUARY 2023

FACT & FIGURES

VISITOR FIGURES

(Includes the concurrent exhibitions)

40,170 名

※Included Digital Exhibition

NUMBER OF EXHIBITORS

370

Domestic : 291
 International : 79

NUMBER OF VISITORS (TOKYO BIG SIGHT)

DATE		VISITORS
2/1 (Wed)	☀️	8,653
2/2 (Thu)	☀️	10,750
2/3 (Fri)	☁️☀️	11,734
TOTAL		31,137



ONSITE

366

Dom. : 287
 Int'l : 79

DIGITAL

4

Dom. : 4
 Int'l : 0

BOOTH NUMBERS

402

Domestic : 347
 International:55

International

15

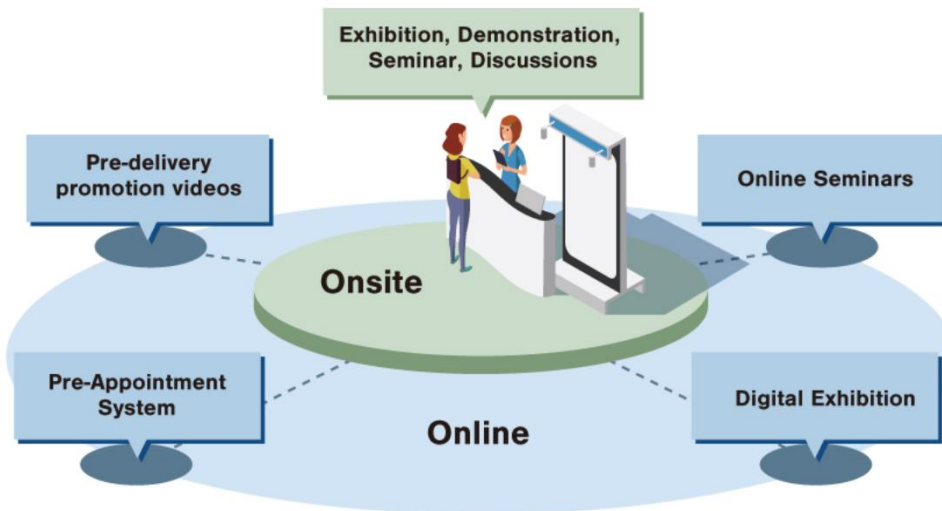
Countries / Regions

Austria, Belgium, Canada, China, Czech Republic, France, Germany, Korea, Malaysia, Netherlands, Norway, Poland, Sweden, Switzerland, Taiwan, USA

ONSITE-DIGITAL HYBRID EXHIBITION

With in-person business event being restricted by the Corona Disaster, the exhibition was held in a hybrid format of a conventional exhibition centered on booths and online services as a measure to prevent exhibitors from losing business opportunities. The functions have been expanded since the previous show to improve the satisfaction level of online exhibitors.

Maximize each and every business opportunities.



Points of Hybrid Exhibition

Increased opportunities to research latest information

Conventional Onsite Exhibition

- Presentations at exhibitor's booths
- Face-to-Face Product Demonstration
- Provided novelties such as pamphlets
- Onsite Seminars



Digital Exhibition

- Visitors:
- Collecting substantial information
 - Attending Online seminars is available

- Exhibitors:
- Posting of Materials & Videos of exhibited products.
 - Promotion at online seminars

Increased opportunities for business discussions

Conventional Onsite Exhibition

- Face-to-Face discussions at the booths
- Networking and Serendipitous encounters at the venue



Digital Exhibition

- Set up business discussions before the event with the Business Matching System

Business Matching System ▶

Special symposium was held during exhibition under the main theme of nano tech 2023 "Social Transformation through Nanotechnology". Lectures on latest research reports and market trends by leading specialists and researchers attracted many visitors.

Nanoparticle process to improve the performance of automotive lithium-ion batteries

Feb. 1, 2023 (Wed.) 9:30-11:20



Microstructure control of particles and powders and their applications for batteries

Osaka University
Joining and Welding Research Institute
Professor

Prof. Makio Naito



Propose to Lithium-ion battery manufacturing process applying Ashizawa Finetech's grinding and dispersion technology.

Ashizawa Finetech Ltd.
Sales Promotion General Manager

General Manager
Mr. Akira Nagai



Dispersant for cathode of Lithium ion battery

KAO Corporation
R&D Performance Chemicals Research

Atsushi Hiraishi



Grinding and dispersion to improve performance of lithium-ion battery materials

AIMEX CO.,LTD.
Managing Director

Mr. Akihiro Igarashi



Nanoscale coating for positive-electrode active material of solid-state lithium batteries

POWREX CORPORATION
Research & Development Assistant Manager

Mr. Makoto Yoshimori

Road to Realization of Oxide-Based All-Solid-State Batteries

Feb. 1, 2023 (Wed.) 15:00-17:00



Challenges to process science for realizing oxide-type solid-state batteries

National Institute for Materials Science
Center for Green Research on Energy and Environmental Materials (GREEN)

Director

Dr. Kazunori Takada



Challenge to low-temperature sintering for oxide-based solid batteries

National Institute for Materials Science
Center for Green Research on Energy and Environmental Materials

Senior Researcher

Dr. Shogo Miyoshi



Approach for predicting reaction phase at co-sintering interface in oxide-based all-solid batteries.

National Institute for Materials Science
Research Center for Structural Materials

Senior Researcher

Dr. Machiko Ode



Material and process development for realization of multi layer all-solid-state battery with oxide solid state electrolyte

TAIYO YUDEN CO., LTD.
Materials Research & Development Department 1

Reserch and Developmnet Laboratory
Manager

Dr. Chie Kawamura



Development of LLZ oxide solid electrolyte and solid-state battery

NGK SPARK PLUG CO., LTD.
R&D Engineering Group
Senior Specialist

Dr. Hideaki Hikosaka

Unraveling Nanoparticle Dispersion Systems with "Process Science" toward Rational Design of Process and Products

Feb. 1, 2023 (Wed.) 11:45-13:30



Building a base of process science for materials.

Ministry of Education, Culture, Sports, Science and Technology (MEXT)

Program Officer (PO)
Japan Science and Technology Agency

Mr. Toshiki Nagano



Challenges in establishment of process science for nanomaterials

Tohoku University
Professor

Prof. Tadafumi Ajiri



Can nanoparticle dispersion systems be modeled and designed as quasi-molecular systems?

Tohoku University
Institute of Multidisciplinary Research for Advanced Materials

Takaaki Tomai



How well do we understand the interaction between nanoparticle surfaces and solvents? - Approach from coarse-grained molecular dynamics simulations

Tohoku University
Institute for Materials Research
Professor

Prof. Momoji Kubo

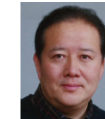


How well do we understand the interaction between nanoparticle surfaces and solvents? - Approach from the influence of process on structure formation of nanoparticles -

Tohoku University
New Industry Creation Hatchery Center

Specially Appointed Professor

Prof. Takao Tsukada



Structure Making for Social Implementation of Nano Technology Process Science by Industry-Government-Academia Collaboration

Tohoku University
New Industry Creation Hatchery Center
Project & Visiting Professor

Dr. Hideki Hoshiro



Data-driven nanotechnology - from materials to devices and systems

Feb. 2, 2023 (Thu.) 9:30-11:30



[A new frontier of materials development based on multicrystalline informatics](#)

Nagoya University
Graduate School of Engineering
Professor
Prof. Noritaka Usami



[Automatic Design/Synthesis of Analog Integrated Circuits using Machine Learning](#)

Kyoto Institute of Technology
Professor
Prof. Nobukazu Takai



[Energy efficient information processing by physical reservoir computing](#)

IBM Research - Tokyo
Research Staff Member
Dr. Toshiyuki Yamane

TBD (NEDO)

Feb. 2, 2023 (Thu.) 12:15-13:45



TBD

Nara Institute of Science and Technology
Mr. Mikiya Fujii



TBD

Central Research Institute of Electric Power Industry
Mr. Syuichi Tsuchida



TBD

Shinshu University
Mr. Katsuya Teshima

The Forefront of Technologies Supporting Circular Economy

Feb. 2, 2023 (Thu.) 15:00-17:00



[Major Trends for Transition toward the Circular Economy](#)

Japan Productivity Center
Consulting Department
Chief of Eco-Management Center
Sophia University Graduate School
Global Environmental Studies
Part-time Lecturer
Mr. Kazunori Kitagawa



[Challenge of Kao to Circulation Economy for plastic](#)

Kao Corporation
R&D Packaging Technology Research Group Leader
Mr. Shuhei Matsumoto



[Transition to circular economy at BASF](#)

BASF Japan Ltd.
Country Development, Sustainability
Senior Manager
Mr. Takeshi Irie



[The Importance of Developing Separation Technologies to Simultaneously Achieve Carbon Net Zero and Resource Circulation -The Case of Lithium Ion Batteries and Photovoltaic Panels](#)

Waseda University
Faculty of Science and Engineering
Professor
Prof. Chiharu Tokoro

The University of Tokyo
Faculty of Engineering
Professor
Prof. Chiharu Tokoro

Revolution in Production Technology for commercialization - High-Speed Implementation through Integration of MI and PI

Feb. 3, 2023 (Fri.) 15:30-17:00



[Changing the Japanese Materials Industry: The Challenge of Building an Ecosystem to Create Startups in the Materials Field through Data-driven Development](#)

Universal Materials Incubator Co., LTD
Mr. Shousuke Kiba



[Data-driven development of protein materials](#)

Spiber Inc.
Mr. Kazuki Sakata



[Challenge to materials innovation : MI×PI×DX @KYOCERA](#)

KYOCERA Corporation
Mr. Shoichi Nakagawa

Frontiers of Nanostructural Analysis for Drug Discovery

Feb. 3, 2023 (Fri.) 9:30-11:00



[Status of cryo-electron microscopy in the AMED BINDS project and introduction of novel sample preparation method.](#)

Osaka University
Graduate School of Pharmaceutical Sciences
Professor Prof. Tsuyuoshi Inoue



[DNA nanotechnology using 3D structural information and its application to drug discovery](#)

Sophia University
Department of Materials and Life Sciences, Faculty of Science and Technology
Associate Professor
Dr. Jiro Kondo



[Biochemical and structural analyses pathological protein aggregates in neurodegenerative diseases.](#)

Tokyo Metropolitan Institute of Medical Science
Head, Department of Brain & Neurosciences
Project Leader of Dementia Research
Prof. Masato Hasegawa

Nanotechnology Accelerating Quantum Future Society

Feb. 3, 2023 (Fri.) 11:45-13:45



TBD

Ministry of Education, Culture, Sports, Science and Technology
Office of Quantum Research Promotion, Basic and Fundamental Research Division, Research Promotion Bureau
Director
Cabinet Office, Government of Japan
Secretariat for Science, Technology and Innovation
Director General
Dr. Kenkichi Sakoda



[Superconducting quantum computers](#)

RIKEN
Center for Quantum Computing
Unit Leader
Dr. Yutaka Tabuchi



[Current Status and Prospects of Quantum Computers](#)

Osaka University
Graduate School of Engineering
Science Professor
Osaka University
Center for Quantum Information and Quantum Biology
Vice Director
Prof. Keisuke Fujii



[Quantum Sensing based on Spin Defects in Solids](#)

National Institutes for Quantum Science and Technology
Quantum Materials and Applications Research Center
Director
Dr. Takeshi Ohshima



[Hypersensitive MRI with quantum technology](#)

Osaka University
Center for Quantum Information and Quantum Biology
Associate Professor
National Institutes for Quantum Science and Technology
Institute for Quantum Life Sciences
Dr. Makoto Negoro



nano tech Award has back. Congratulations!

What's is The "nano tech Award"

The "nano tech Award" as the best exhibitor and each "Category Award" as the best exhibitor will be decided by [the nano tech executive committee](#) members based on the following evaluation standards.

Evaluation Standards

1. Innovativeness and Inventiveness

- Whether or not the technology development has a point of view, ideas, novelty, or originality
- Confirmation of basic technology, technology of main components, peripheral technology, or technology for practical use
- Existence or non-existence of potential benefits or commercialization prospects that can be expected in the future

2. Patents • Publications

- Status of obtaining patents, utility models, designs, trademarks, etc. (both domestic and foreign patents and pending applications)
- Publication status of Scientific/Academic literature, etc. (name of literature, date of publication, etc.) and authenticity of published data.

3. Merchantability, Marketability, and Economic Feasibility

- Suitability of the commercialization plan to the needs of the market
- Lifecycle time and years in the market, market size forecast, competitive analysis
- Sales performance (actual data, etc.), and for those without actual sales performance, sales plan (planned timing, quantity, price, etc.)

4. other

- Any innovations or considerations regarding environmental preservation and safety

Award-winning Exhibitors and Reasons for Selection

1. nano tech 2023 Grand Award

Award System

Products and technologies that are comprehensively outstanding in terms of advancedness, practicality, and business potential, and that are expected to contribute to society and industry.

Zeon Corporation (Booth No. : 1L-13)

Zeon has developed a system that instantaneously senses and wirelessly informs the occurrence of defects in heat piping at the time of disaster using carbon nanotube-based thermoelectric conversion elements. It's diverse business development of carbon nanotubes deserves the Award.



2. Material Award

Award System

Among the products and technologies equivalent to the above Grand Award, particularly outstanding nanomaterials technology/products will be selected.

Preferred Computational Chemistry (PFCC) (Booth No. : 1G-16)

PFCC has developed a technology that may be the use of Artificial Intelligence (AI) Deep Learning shorten the time required for the atomic-level physical simulation from several months to several seconds. PFCC's software can help support the development of new materials, including catalysts and solid electrolytes.



3. Analytics Award

Award System

Among the products/technologies equivalent to the above Grand Award, particularly outstanding measurement/evaluation/analysis technologies/products.

JOEL (Booth No. : 1T-10)

JOEL is expanding its business range by developing various analytical devices meeting users' needs, such as an FIB-SEM system that can keep high resolution even at a low acceleration voltage.



Award-winning Exhibitors and Reasons for Selection

4. nano Process Award

Ashizawa Finetech Ltd. (Booth No. : 1G-04)

Ashizawa has developed Dry Type Bead Mill capable of grinding and dispersing particles down to the submicron range. Ashizawa shows the possibility of improved performance of secondary batteries for electric vehicles, whose market is expected to expand.



7. Business Matching Award

On-Chip Biotechnologies (Booth No. : 1A-06)

Using a business matching system, On-Chip Biotechnologies is committed to aggressive open innovation of its proprietary million-scale microorganism screening technology.



5. Academic-industrial Alliance Award

Ise Chemicals Corporation/Yamagata University (Booth No. : 1U-01)

The alliance has enabled the 1nm-level control of emission wavelength of perovskite quantum dot by changing not only the particle size but also the elements of material. Award is given to its potential application to the wide color gamut displays.



8. Green Transformation Award

Toray (Booth No. : 1G-13)

With the fusion of green and nanotechnology, Toray is committed to comprehensive development of new technologies, including material and chemical recycling for contributing to drastic reduction of CO2 emissions and bio-and CO2 recycling technologies.



6. Special Award

Taiwan Pavilion (Booth No. : 1N-04)

Taiwan Pavilion has an outstanding comprehensive strength of cutting-edge nano technology that achieves successful results in a wide range of fields, including physiology & medicine, energy, electronics/optoelectronics, measurement, manufacturing, and materials.



9. NIKKAN KOGYO SHIMBUN Award

TDK (Booth No. : 1N-19)

The world's first "Samarium-Cobalt Micromagnet" which is "approximately 0.1mm thick" and "can be formed on any uneven surface". This thickness could be hardly formed with conventional vacuum evaporation method, and can form a homogeneous film on the surface of any configuration using special liquid-use film-forming method. It also has magnetic properties comparable to the conventional samarium-cobalt magnet. New applications to motors and sensors are expected.



Award System

4. nano Process Award

Particularly outstanding nano-processing technology/product among the products/technologies equivalent to the above Grand Award.

5. Academic-industrial Alliance Award

Highly advanced technology developed through collaboration between industry and academia, with promising commercialization prospects.

6. Special Award

Special Award for overseas exhibitors

7. Business Matching Award

The exhibitor who has the highest number of business negotiations through the [business matching system](#) during the exhibition period.

8. Green Transformation Award

Awarded for technologies that contribute to Green Transformation.

9. NIKKAN KOGYO SHIMBUN Award

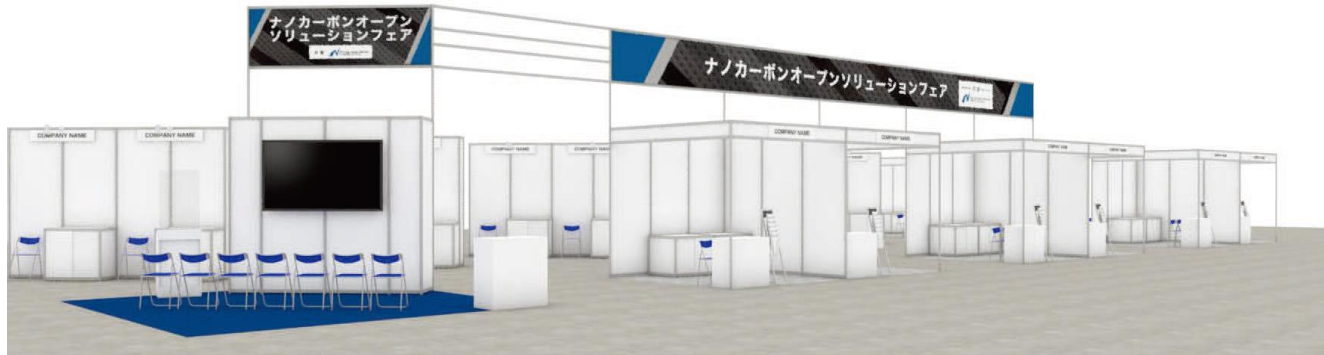
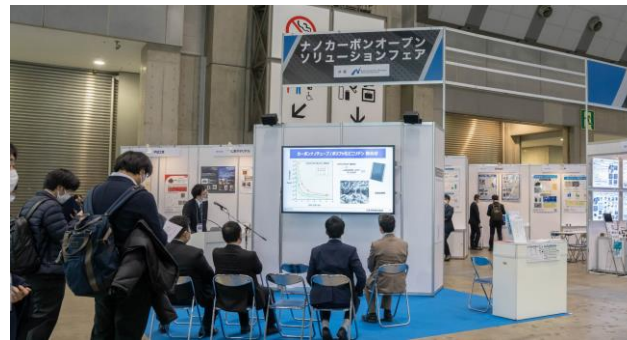
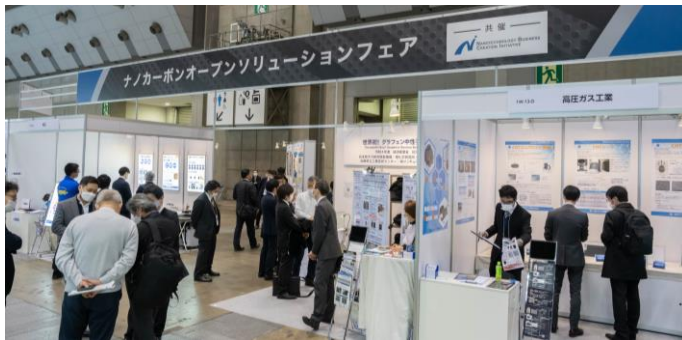
One of Japan's Economic Newspaper publisher which is one of the sponsors of the nano tech Award 2023 ceremony.

ORGANIZER PROGRAMS – The 4th NANO CARBON OPEN SOLUTION FAIR

The 4th. Nano Carbon Open Solution Fair offered opportunities for exchange of information and business matching, leading application development of nano carbon.

【CONTENTS】

- Booth exhibits with nanocarbon-related technologies and products (Onsite and Digital)
- Special Presentations by exhibitors



Exhibitor name	Booth No.
GSI Creos	1W-13-A
NSC	1W-13-E
INCUBATION ALLIANCE	1W-13-B
KOATSU GAS KOGYO	1W-13-F
JOKOH	1W-13-C
Zeon	1W-13-D
Bergen Carbon Solution	1W-13-G
NiSiNa Materials	1W-13-01
MICROPHASE	1W-13-02
Kao	1W-13-03
Sojitz	1W-13-04
FCM	1W-13-05
Sanyo Trading	1W-13-06
SUNARROW	1W-13-07
Malvern Panalytical A division of Spectris	1W-13-08
HORIBA,	1W-13-09
Beryu	1W-13-10
TODA KOGYO	1W-13-11
C's Techno	1W-13-12
Kusumoto Chemicals	1W-13-13
Sojitz	1W-13-14
NipponShizai	1W-13-15
NEC	1W-13-16
Hokuetsu Corporation	1W-13-17
Dainichiseika color & Chemicals Mfg.	1W-13-18
Stat Peel	1W-13-19
Proterial	1W-13-20
Materials Innovation Tsukuba	1W-13-21

ORGANIZER PROGRAMS – Digital R&D Special Exhibit

Digital R&D Special Exhibit

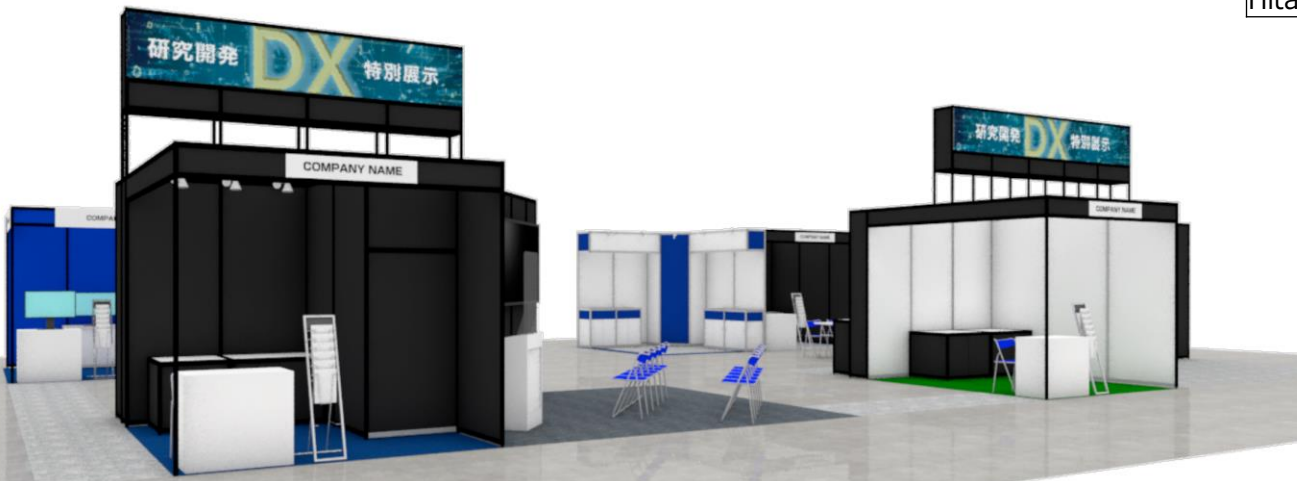
The Digital R&D Special Exhibit, picked up from the previous show, featured materials informatics (MI), process informatics (PI), simulation software, and other DX solutions that enable data-driven R&D and its advancement. The number of exhibitors exceeded the previous year's show, with 13 companies participating.

【CONTENTS】

— Booth exhibits by companies and organizations with products and solutions related to R&D DX, including MI (physical and online exhibits)

—Presentations by exhibitors (15 minutes each)

Exhibitor name	Booth No.
CrowdChem	2W-19-12
Dassault Systemes	2W-19-04
Digital Transformation Initiative Center for Magnetic Materials (DXMag)	2W-19-11
Foundation for Computational Science	2W-19-08
JSOL Corporation.	2W-19-01
MI-6	2W-19-03
National Institute for Materials Science	2W-19-05
Nippon System Kaihatsu	2W-19-06
QUATRE-i SCIENCE	2W-19-02
SCSK	2W-19-07
Toyota Motor Corporation	2W-19-10
Tsuji Lab, The University of Tokyo / Products Innovation Association	2W-19-09
Hitachi	ONLINE

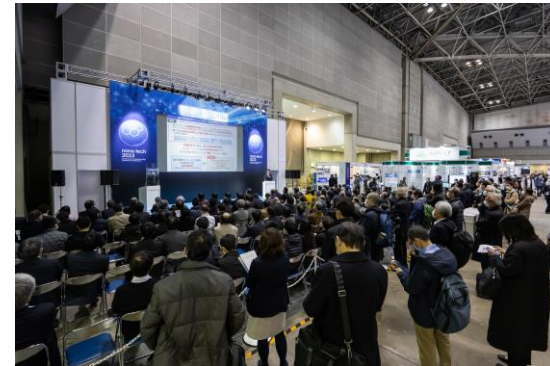
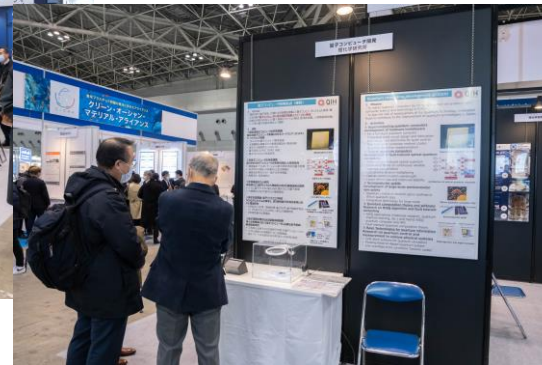


“Nanotechnology Accelerating Quantum Future Society” Quantum Zone

Continuing from last year, a special symposium on "Nanotechnology Accelerating Quantum Future Society" was held and a panel exhibition of 10 Quantum Technology Innovation Hubs (QIH) was also held. The exhibit included a 64-qubit chip and a mockup of the research and development of quantum annealing technology by the NEDO project as part of the strategy for social reform through quantum technology in 2030 and the forefront of domestic quantum computer research and development.

Three companies, including one of the world's largest quantum computing companies, also exhibited at the Quantum Zone for the first time.

Exhibitor name	Booth No.
L.A.Sysems	2Q-26
Quantinuum	2N-26
Quantum Materials Technology / Green Science Alliance	2P-26
Quantum Software Research Hub (Osaka University)	2H-26
Quantum Technology Innovation Hubs (RIKEN)	2L-22



nanocellulose TECH

In addition to a three-dimensional sample exhibit featuring actual applications of "nanocellulose," a plant-derived carbon-neutral material, the booth actively provided technical consultation on how to incorporate nanocellulose into products.

Nanocellulose Japan seminars:

The characteristics and applications of cellulose nanofibers with various manufacturing technologies by member companies were introduced.



Exhibitor name	Booth No.
AIKAWA IRON WORKS	2D-24
KAMI SHOJI	2C-22
Nanocellulose Japan	2E-22
Aichi Center for Industry and Science Technology	
Chuetsu Pulp & Paper	
Daio Paper Corporation	
DKS	
Fuji City CNF Platform	
Hexa Chemical	
Hokuetsu Corporation	
HORIBA	
Kao	
KRI	
Marusumi Paper	
MORI MACHINERY	
National Institute of Advanced Industrial Science and Technology (AIST)	
Nippon Paper Industries	
Oji Holdings	
TOAGOSEI	
UNITIKA	
Yoshikawakuni Plastics Industries	
BUSS JAPAN	2C-23-01
Oji Holdings	2C-23-02
Nippon Paper Industries	2C-23-03

ORGANIZER PROGRAMS

nano tech offered opportunity the commercialization of the seeds of startup, the program was designed to accelerate open innovation and create new business opportunities as a place to connect research with the needs of industry.

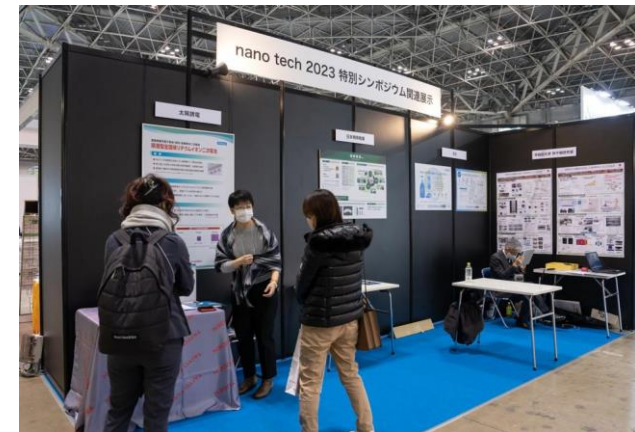
Start up / Academia Poster

Accelerated open innovation by realizing the commercialization of the seeds of academic research and startups. (4 and 6 m²)



nano tech 2023 Special Symposium Speakers Space

Speakers on the Special Symposium has shown their research to explore more understanding for Visitors.



SEMINAR TIMETABLE (Japanese Text Only)

*Further details in English, Please visit >>>

https://unifiedsearch.jcdbizmatch.jp/nanotech2023/en/sem/nanotech_mems

Feb. 1 WED.

東1ホール		東2ホール	
メインシアター		メインシアター	
[nano tech 特別シンポジウム] 二次電池におけるナノ粒子プロセス 事前登録制		[特別シンポジウム] [MEMS・半導体次世代テクノロジーフォーラム] 事前登録制	
9:30-10:00	微粒子の構造制御による電池材料への展開 内藤 敦男氏 大阪大学 接合科学研究所 教授	10:30-11:00	半導体・デジタル産業戦略の現状と今後 金指 壽氏 経済産業省 商務情報政策局 情報産業課 課長
10:00-10:20	アシザフ・ファインテックの微粉砕・分散技術を活用したリチウムイオン電池製造プロセスへの提案 長井 明氏 アシザフ・ファインテック 営業課 業務推進役	11:00-11:30	場を見るセンシングシステム 一木 正聡氏 産業技術総合研究所 センシングシステム研究センター 副研究センター長
10:20-10:40	リチウムイオン電池正極用分散剤 平石 篤司氏 花王 テクノケミカル研究所 上席主任研究員	11:30-12:00	セラミックエレクトロレットの創成と静電ハーベスターへの展開 田中 優実氏 東京理科大学 工学部 工業化学科 准教授
10:40-11:00	リチウムイオン二次電池材料の性能向上を目指す粉砕・分散 五十嵐 卓裕氏 アイメックス 開発本部長	12:00-12:30	サーマルダイオード赤外線センサ MeDIR と熱画像処理技術による活用 三輪 祥太郎氏 三菱電機 先端技術総合研究所 センサ情報処理システム技術部 主任研究員
11:00-11:20	全固体電池正極活物質へのナノスケールコーティング 吉森 誠氏 パウレック 研究開発本部 アシスタントマネージャー	[ASTEC トライボロジーセミナー] パネルディスカッション 事前登録制	
[nano tech 特別シンポジウム] ナノ粒子分散をプロセスサイエンスでひも解き、プロセス・製品設計へ 事前登録制		カーボニュートラルの実現に貢献するトライボロジー技術と試験・評価技術 モテテック 佐々木 信也氏 東京理科大学 工学部 機械工学科 教授	
11:45-12:00	プロセスサイエンス基盤構築の目指すもの 永野 智己氏 文部科学省 プログラムオフィサー/技術参加 科学技術振興機構 総括ユニットリーダー・研究室	12:45-14:30	ばねばね アルテック・インストゥルメンツ/アンソニール・ジャパン/エリオニクス/島貿易/新東科学/東陽テクノ/パーカー熱処理工業/レスカ
12:00-12:20	ナノ材料の界面・構造制御プロセスサイエンスの基盤構築への挑戦 阿尻 雅文氏 東北大学 材料科学高等研究所 教授	第4回ナノカーボンオープンソリューションフェア 特別講演	
12:20-12:40	ナノ粒子分散系は疑似分子系でモデル化・設計できるか 宮居 高寿氏 東北大学 多元物質科学研究所 准教授	14:45-15:30	マルチハザード時代の都市防災科学技術 ～東京理科大学の取り組み～ CNT 熱発電の研究と社会還元 山本 貴博氏 東京理科大学 理学部物理学 教授/博士(理学)/preArch 取締役
12:40-13:10	ナノ粒子表面と溶媒の相互作用はどこまで理解できたかー粗粒化分子動力学シミュレーションからのアプローチー 久保 百司氏 東北大学 金属材料研究所 教授	15:45-16:30	カーボンナノチューブ市場の現状と将来展望 遠藤 光司氏 矢野総研研究所 インドリアルテクノロジーユニット 上級研究員

東2ホール	
シリーズ&ニーズセミナーB	
nano tech 出展者セミナー	
10:30-11:00	光技術を用いたテラヘルズ波を計測するオシロスコープ テラヘルズ波の波長を高速・高精度に可視化 片山 裕文氏 神奈川県立産業技術総合研究所 (KISTEC) 戦略的研究シーズ育成事業「光技術を用いた超広帯域テラヘルズオシロスコープの開発」研究代表者 兼 横浜国立大学 教授
11:00-11:30	広帯域フレキシブル光撮像センサと非破壊検査分析応用 河野 行雄氏 神奈川県立産業技術総合研究所 (KISTEC) 戦略的研究シーズ育成事業「非破壊画像検査用スマートシートの創出」研究代表者 兼 中央大学 教授
11:45-12:30	ナノスケール分析・解析技術を探求する 鈴木 操氏 フルカージャパン/ナノ表面計測事業部
12:45-13:15	リグニンからの芳香族ポリマー原料の選択的生産 園木 和典氏 弘前大学 農学生命科学部 准教授
ナノセルロージャパン特別講演	
13:35-14:15	CNF 配合高機能性樹脂のご紹介 吉川 祐樹氏 花王 テクノケミカル研究所 ナノセルロースの繊維状・ゼルゲル/セルの組成/サイズ決定などの複合分析事例をご紹介 榎本 啓二郎氏 堀場製作所 分析・計測開発本部 アプリケーション開発部 Open Innovation チーム
nano tech 出展者セミナー	
14:30-15:00	リチウムイオン電池における正極・負極の多角的評価 宮本 文司氏 島津製作所
15:15-15:45	「三次元表面形状測定」と「スクラッチ&インデンテーション試験」 摩擦摩耗試験に対応した最先端の計測機器紹介、及び評価事例 園井 卓人氏 アルテック・インストゥルメンツ
16:00-16:45	NanoMalaysia 同時通訳有

Feb. 2 THU.

東1ホール		東2ホール	
メインシアター		メインシアター	
[nano tech 特別シンポジウム] データ駆動型ナノテクノロジー～素材からデバイス、システムへ～ 事前登録制		ASTEC 第18回表面技術会議：1日目 事前登録制	
9:35-10:10	多結晶材料情報学を基盤とした材料開発の新展開 宇佐美 徳隆氏 名古屋大学 大学院工学研究科 教授	9:30-10:00	オランダ電子顕微鏡技術による全固体電池反応の可視化 山本 和生氏 ファインセラミックスセンター/電池研究所 主席研究員
10:10-10:45	機械学習を用いたアナログ集積回路の自動設計・合成 高井 伸和氏 京都工芸繊維大学 教授	10:15-10:45	種々の分析手法を用いた全固体電池の評価 平島 慧太氏 日産アーク 現象解析部現象解析室 TEAM 解析チーム
10:45-11:20	物理リバー・コンピューティングによる省電力情報処理 山根 敬志氏 IBM 東京基礎研究所 リサーチャー・スタッフ・メンバー	11:00-11:30	導電性ダイヤモンドパウダーの電気化学エネルギーデバイスへの応用 近藤 剛史氏 東京理科大学 理工学部先端化学科 准教授
Preferred Computational Chemistry 特別講演		ASTEC 企画セミナー 摩擦・摩損関連 特別セミナー 事前登録制	
11:30-12:00	日本一やさしいマテリアルズ・インフォマティクスへの導き ～材料開発者は、マテリアルズ・インフォマティクスに何を求めるのか～ 柴田 ラビ氏 Preferred Computational Chemistry 技術営業部	11:45-12:10	DLC の国際標準化(動向)と産業利用 平塚 保工氏 DLC 工業部
[NEDO セミナー] プロセスインフォマティクスの最前線 ～次世代の機能性マテリアルの開発加速		12:15-12:30	DLC 膜の国際標準化と基準化、産業利用に関して 宇原 俊貴氏 レスカ 営業部 部長
13:30-13:45	プロ-合成法による重合反応精密制御に向けたプロセスインフォマティクス 藤井 幹也氏 奈良先端科学技術大学院大学 先端科学技術研究科・データ駆動型サイエンス創造センター 教授	ASTEC 出展者プレゼンテーション	
12:15-13:45	SIC 結晶製造技術の革新に向けたプロセスインフォマティクス技術の研究 土田 秀一氏 電力中央研究所 エネルギー変換システム研究本部 材料科学研究部門 研究開発推進マネージャー・副研究参加	12:30-13:00	表面改質・コーティング・塗装など界面や劣化変化の解析に役立つ断面強度分析試験 (MSE 試験) 松原 亨氏 パルメノ代表取締役
マテリアル DX が拓く高品質法結晶育成 手嶋 勝弥氏 信州大学 先端材料研究所 所長・教授		nano tech 出展者セミナー	
15:00-15:30	サーキュラーエコノミー実現に向けた政策の動向 喜多川 和典氏 日本生産性本部 コンサルティング部 エコマネジメントセンター長 上智大学大学院 地球環境学研究所 非常勤講師	13:30-14:00	広島大学における次世代太陽電池開発に向けた取り組み 有機半導体を使って作れる有機薄層太陽電池 尾坂 裕氏 広島大学 大学院先進理工系科学研究科 教授
15:30-16:00	プラスチック資源循環社会に向けた花王の挑戦 松本 州平氏 花王 包装技術研究所 グループリーダー	MEMS 出展者セミナー	
16:00-16:30	BASF が目指すサーキュラーエコノミーへの移行 入江 剛氏 BASF ジャパン 経営推進本部 サステナビリティ推進部 部長	14:15-14:45	MEMS 加工における樹脂接着プロセスのご紹介 2023年 六甲電子株式会社様御礼! 松田 洋輔氏 六甲電子 営業部
16:30-17:00	カーボニュートラルと資源循環の同時実現に向けた有機物回収技術 ーリチウムイオン電池と太陽光パネルを例にしてー 千原 謙氏 早稲田大学 理工学術院 教授 東京大学大学院 工学系研究科 教授	スタートアップ ピッチ	
		15:00-16:00	スペースフロンティア / イーアンドイーエポリューション / ナノジャパン / Shimada Appli / ALD ジャパン

東2ホール	
シリーズ&ニーズセミナーB	
nano tech 出展者セミナー	
10:30-11:15	セルロース系材料・電子デバイス等の最先端での様々な液性状の製造プロセスに最適 攪拌・微細化装置のラインナップ紹介 前田 直孝氏 住友重機械プロセス機器 技術部
11:30-12:15	名古屋大学の研究設備とノウハウ、使えます! 大住 克史氏 名古屋大学
12:30-13:00	マテリアルズ・インフォマティクスのためのマルチスケールシミュレーション・ソフトウェア J-OCTA 菊井 健樹氏 JSOI エンジニアリング事業本部
13:30-14:00	本セミナー限定、HORIBA の最先端技術を一挙公開! 二次電池、電子・導電材料、カーボン材料に関する深層分析、分光分析、粒子計測等をご紹介 土屋 明氏 堀場製作所
14:30-15:15	大阪大学におけるナノ科学技術の研究と人材育成の御紹介 谷口 正隆氏 大阪大学 産業科学研究所 産業科学ナノテクノロジーセンター 教授 萩原 裕隆氏 大阪大学 産業科学研究所 産業科学ナノテクノロジーセンター 教授 藤岡 透氏 大阪大学 エネルギーサイエンスデザインR3センター 特任教授
[NEDO セミナー] マルチマテリアル車体を実現する材料・技術とガバナンス的風食対策	
15:30-16:15	千賀 晃司氏 新橋造材料技術研究会 (ISMA) プロジェクトマネージャー 平田 好則氏 新橋造材料技術研究会 (ISMA) プロジェクトマネージャー 藤田 栄氏 新橋造材料技術研究会 (ISMA) プロジェクトマネージャー 司会
16:20-16:50	小川 貴弘氏 新エネルギー・産業技術総合開発機構 (NEDO) 革新的新橋造材料等研究開発プロジェクト プロジェクトマネージャー 材料・ナノテクノロジー部 主査 Ajay Virkar 氏 C3 Nano CTO & Board Member

SEMINAR TIMETABLE (Japanese Text Only)

*Further details in English, Please visit >>> https://unifiedsearch.jcdbizmatch.jp/nanotech2023/en/sem/nanotech_mems

Feb. 3 FRI.

東1ホール		東2ホール	
メインシアター		シース&ニースセミナーA	シース&ニースセミナーB
[nano tech 特別シンポジウム] 創薬に向けたナノ構造解析最前線		nano tech 出展者セミナー 巨大負熱膨張材料を用いた熱膨張制御	
12:30-12:55	量子コンピュータの現状と未来 藤井 啓祐 氏 大阪大学 大学院基礎工学研究科 教授 / 大阪大学 量子情報・量子生命研究センター 副センター長	10:30-11:00 東 正樹 氏 神奈川県立産業技術総合研究所 (KISTEC) [次世代機能性酸化材料] プロジェクトリーダー 兼 東京工業大学 教授	
9:30-10:00	AMED BINDS事業におけるクライオ電顕の整備状況と新規サンプル調製法の紹介 クライオ電顕の自動化・遠隔化による創薬の加速化にむけて 井上 豪 氏 大阪大学 大学院薬学研究所 教授	11:30-12:00 短時間(約10分)で等電位(ゼータ電位/流動電位がゼロとなる点)を測定! 測定機能付き流動電位測定装置 STABINO ZETA、高濃度・高粘度・ナノ粒子~数百ミクロン粒子の測定が可能。 佐藤 浩二 氏 マイクロトラック・ベル	
12:55-13:20	固体中スピン欠陥を活用した量子センシング 大島 武 氏 量子科学技術研究開発機構 量子機能創製研究センター センター長	12:30-13:00 ナノ粒子の評価におきりではないですか? 先端材料の分散性評価、高濃度電池材料の研究開発、CMPスラリーの品質管理など、幅広い分野で活躍する「粒子径分布」の判定事例をご紹介します! 屋敷 尚汰 氏 堀場製作所	
13:20-13:45	量子技術による超高感度MRI 根来 誠 氏 大阪大学 量子情報・量子生命研究センター 准教授 / 量子科学技術研究開発機構 量子生命科学研究所 グループリーダー	13:30-14:15 【NEDOセミナー】発展・拡張する“CN”Fの世界 ~セルロースナノファイバーの社会実装を進める先駆者たちの戦略~ モデレーター 八尾 滋 氏 株式会社・建設総合情報NEDO 企画プロフェッショナル/ 株式会社 パナリスト 花王/ スギノマシン / 大王製紙 / ナノセルロースジャパン / パナソニックHD	
14:00-15:15	nano tech 大賞授賞式 nano tech 実行委員会	ナノセルロースジャパン特別講演 セロファン製造技術を活用したセルロースナノファイバー(RCNF)の特長と適用事例 土屋 大樹 氏 レンコー 中央研究所研究企画部企画第2課 担当課長 容易にナノ化可能な酸化セルロースの応用展開 高田 じゅん 氏 東亜合成 応用研究所	
10:00-10:30	立体構造情報を活用したDNAナノテクノロジーと創薬への応用 近藤 次郎 氏 上智大学 理工学部物質生命理工学 准教授	nano tech 出展者セミナー 実験/解析データの利活用及びAI化を進めてR&Dに革新を! データ分析・AI活用を進める上で必要となる準備と環境 上島 豊 氏 キャトルアイ・サイエンス 代表取締役	
10:30-11:00	神経変性疾患に蓄積する異常タンパク質の生化学、構造解析 長谷川 成人 氏 東京都医学総合研究所 脳・神経科学研究分野長 認知症プロジェクトリーダー	アカデミア ピッチ 帝京科学大学 山原研究室 / 富山県立大学 医薬品工科学科 ライフサイエンス材料分野 竹井敬研究室 / 同志社大学大学院 生体機能化学研究室 奥田 耕平 / 九州大学大学院化学工学部門 三浦研究室 / 京都大学・熱計測・熱マネジメントニース探索ユニット / Northwestern University	
[nano tech 特別シンポジウム] ナノテックで加速する量子未来社会		MEMS 出展者セミナー 環境振動MEMSエナジーハーベスタ技術 山根 大輔 氏 立命館大学 理工学部 機械工学科 准教授 (計測エンジニアリングシステム)	
11:45-12:05	日本の量子政策の最前線 ~ナノテックとの融合による量子技術の実用化に向けて~ 迫田 健吉 氏 文部科学省 研究振興局 基礎・基礎研究課 量子研究推進室 室長 / 内閣府 科学技術・イノベーション推進事務局 企画官	nano tech 出展者セミナー ハイデルベルグ・インストルメンツ社が提供するナノファブリケーション用装置のご紹介 渡辺 敦史 氏 ハイデルベルグ・インストルメンツ	
12:05-12:30	超伝導量子コンピュータの研究と展望 田淵 豊 氏 理化学研究所 量子コンピュータ研究センター ユニットリーダー	MEMS 出展者セミナー データ駆動によるタンパク質素材開発 坂田 一樹 氏 Spiber 執行役員 / マテリアル部門長	
[nano tech 特別シンポジウム] 死の谷を越える生産技術革命~MIとPIの一体化による高速実装~		nano tech 出展者セミナー 材料革新への挑戦: MI x PI x DX @ KYOCERA 伊川 彰一 氏 京セラ 執行役員 研究開発本部長 兼 デバイス研究開発統括部長	

Nano Technology related meeting - nano week 2023

Feb. 1 WED.

会議棟 (1階102会議室) ※オンライン併用開催	
13:15-16:00	令和4年度 秀でた利用成果・技術スタッフ表彰式、秀でた利用成果発表会 文部科学省マテリアル先端リサーチインフラ 物質・材料研究機構 マテリアル先端リサーチインフラセンター運営室 事前登録制
会議棟 (6階606会議室) ※オンライン併用開催	
13:00-17:10	未来ICTシンポジウム 2023 ~Beyond 5Gに向けた光・電子デバイス技術の新展開~ 情報通信研究機構 未来ICT研究所 事前登録制
会議棟 (6階609会議室) ※オンライン併用開催	
14:00-17:30	ANF Workshop on Commercialization (英語進行) Asia Nano Forum (ANF) 事前登録制
会議棟 (6階610会議室)	
13:30-17:00	JEITA ウェアラブルエレクトロニクスセミナー 電子情報技術産業協会 (JEITA) ウェアラブルエレクトロニクス標準化専門委員会 事前登録制

Feb. 2 THU.

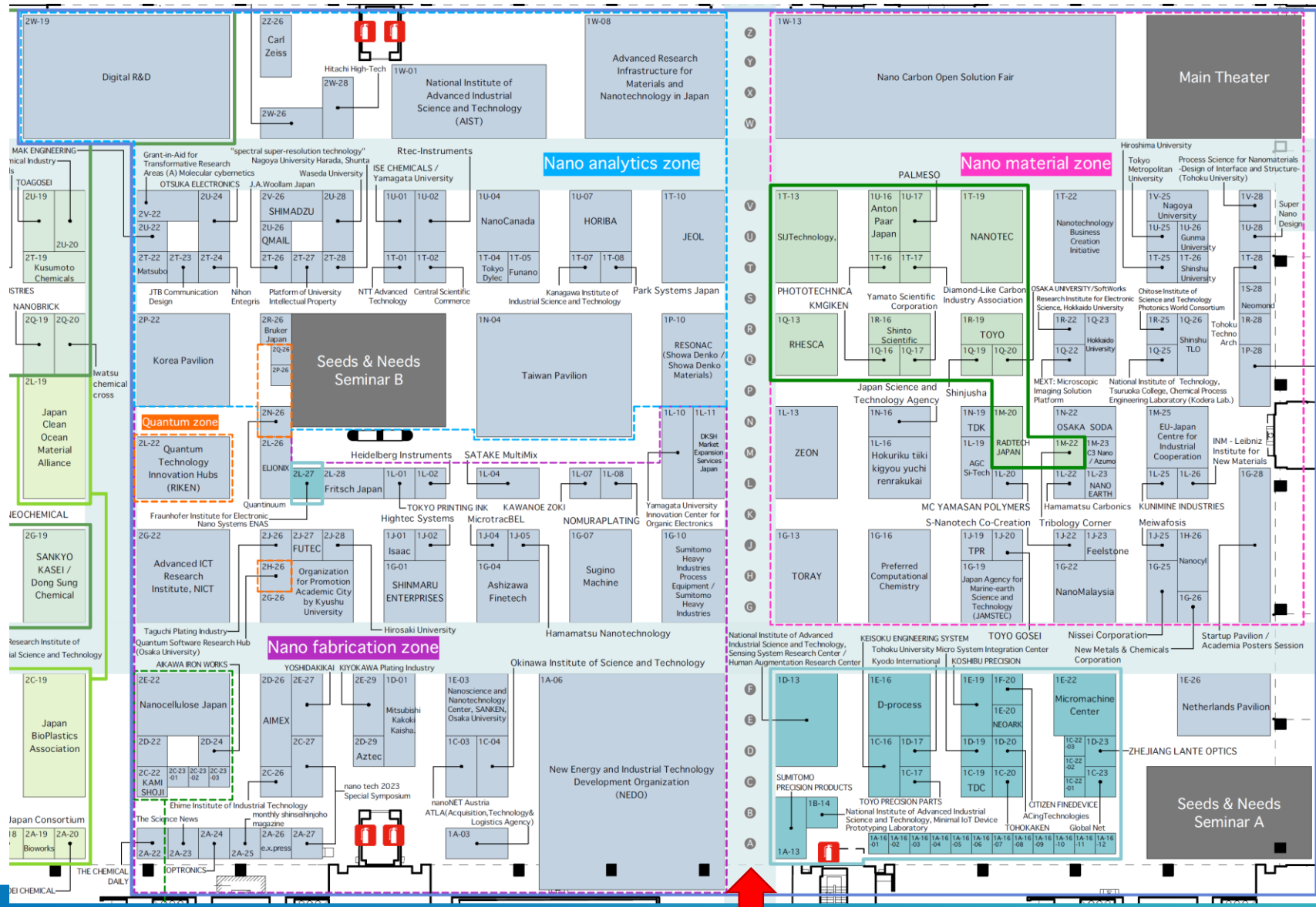
会議棟 (6階606会議室)	
第15回国際ナノテック団体会議	
9:30-11:30	15th Nanotech Association Conference (英語進行) ナノテクノロジービジネス推進協議会 (NBCI)
会議棟 (6階609会議室) ※オンライン併用開催	
13:30-17:00	2023 ANF Symposium on User-Facility Network in Asia (英語進行) Asia Nano Forum (ANF) 事前登録制

Feb. 3 FRI.

会議棟 (1階102会議室) ※オンライン併用開催	
13:10-16:40	ナノテクノロジー国際標準化ワークショップ 2023 産業技術総合研究所 (AIST) ナノテクノロジー標準化国内審議委員会 事前登録制
会議棟 (1階 レセプションホール AB) ※オンライン併用開催	
10:00-17:05	第21回マテリアル戦略総合シンポジウム (JAPAN NANO 2023) 文部科学省マテリアル先端リサーチインフラ 物質・材料研究機構 マテリアル先端リサーチインフラセンター運営室 事前登録制 同時通訳有

*Further details in English, Please visit >>>

[nano week 2023](#) | [nano tech 2024 Social Transformation through Nanotechnology \(nanotechexpo.jp\)](#)



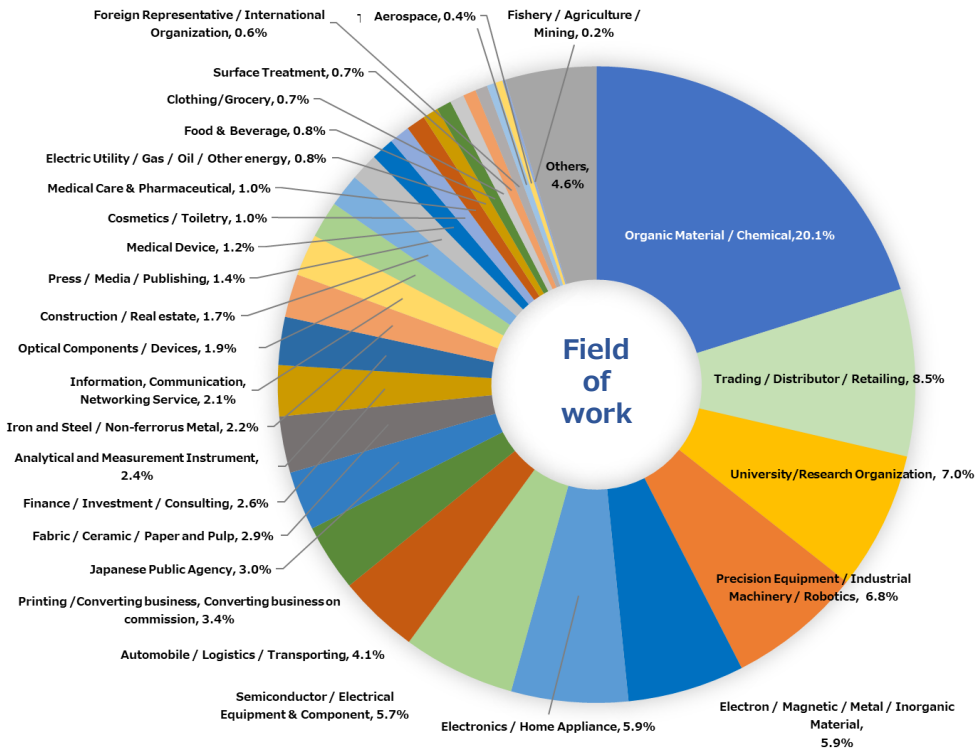
EXHIBITORS

*Further details in English, Please visit >>> <https://unifiedsearch.icdbizmatch.jp/nanotech2023/en/nanotech/list>

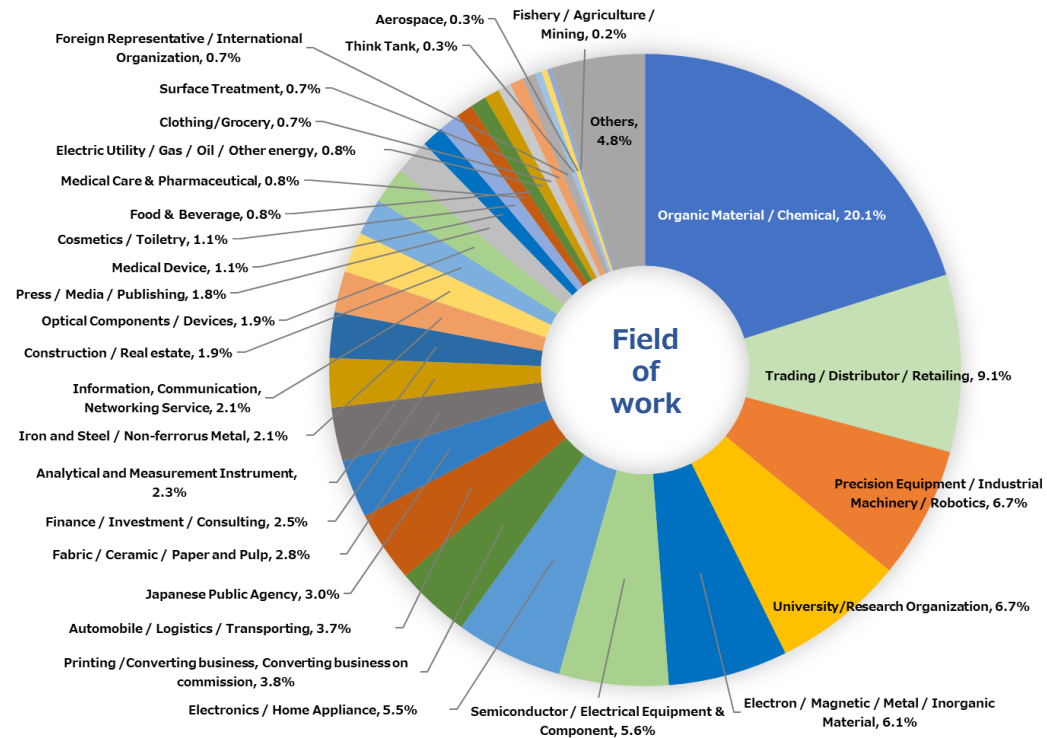
Exhibitors Name	Booth No.	Exhibitors Name	Booth No.	Exhibitors Name	Booth No.	Exhibitors Name	Booth No.	Exhibitors Name	Booth No.		
Advanced ICT Research Institute, NICT	2G-22	Hamamatsu Carbonics	1L-22	L.A.Systems	2Q-26	Netherlands Pavilion		Preferred Computational Chemistry	1G-16	TAKEI Life Science Material Lab., Department of Pharmaceutical Engineering, Toyama Prefectural	1G-28-07
Advanced Research Infrastructure for Materials and Nanotechnology in Japan	1W-08	Hamamatsu Nanotechnology	1J-05	MAK ENGINEERING	2U-22	DENSolutions		Process Science for Nanomaterials - Design of Interface and Structure- (Tohoku University)	1V-28	TDK	1N-19
AGC Si-Tech	1L-19	Heidelberg Instruments	1L-02	Malvern Panalytical A division of Spectris	1W-13-08	Single Quantum		Protetial	1W-13-20	THE CHEMICAL DAILY	2A-22
AIKAWA IRON WORKS	2D-24	Hightec Systems	1J-02	Materials Innovation Tsukuba	1W-13-21	VSPARTICLE		QMAIL	2U-26	The Science News	2A-23
AIMEX	2D-26	Hirotsuki University	2J-28	Matsubo	2T-22	SCIL Nanoimprint solutions		Quantinum	2N-26	TIA	ONLINE
ALD Japan	1G-28-04	Hiroshima University	1T-25	MC YAMASAN POLYMERS	1L-20	University of Twente(MESA+ Institute		Quantum Materials Technology / Green Science Alliance	2P-26	TODA KOGYO	1W-13-11
Ashizawa Finetech	1G-04	Hitachi	ONLINE	Meiwafofos	1J-25	Netherlands Enterprise Agency		Quantum Software Research Hub (Osaka University)	2H-26	Tohoku Techno Arch	1T-28
ATLA(Acquisition,Technology&Logistics Agency)	1A-03	Hitachi High-Tech	2W-28	MEXT: Microscopic Imaging Solution Platform	1Q-22	TeraNova B.V.	1E-26	Quantum Technology Innovation Hubs (RIKEN)	2L-22	Tokyo Dylec	1T-04
Aztec	2D-29	Hokkaido University	1Q-23	MI-6	2W-19-03	Holst Centre		QUATRE-i SCIENCE	2W-19-02	Tokyo Metropolitan University	1U-25
Bergen Carbon Solution	1W-13-G	Hokuetsu Corporation	1W-13-17	MICROPHASE	1W-13-02	Applison Enterprise		Research Institute for Electronic Science, Hokkaido University	1R-22	TOKYO PRINTING INK MFG.	1L-01
Beryu	1W-13-10	Hokuriku tiki kigyuo yuchi renrakukai		MicrotracBEL	1J-04	Mecal High Tech Systems		Research Organization for Information Science and Technology	1P-28	TORAY	1G-13
Brucker Japan	2R-26	Toyama Prefecture		Mitsubishi Kakoki	1D-01	Qblox		RESONAC (Showa Denko / Showa Denko Materials)	1P-10	TOYO GOSEI	1J-20
BUSS JAPAN	2C-23-01	Ishikawa Prefecture	1L-16	monthly shinseihinjoho magazine	2A-25	Applied Nanolayers		Rec-Instruments	1U-02	Toyota Motor Corporation	2W-19-10
C3 Nano / Azumo	1M-23	Fukui prefecture		Nagoya University	1V-25	IVX4		SAGA Light Source, Saga Industrial Promotion Organization	2W-26	TPR	1J-19
Azumo		Hokuriku Electric Power Company		NANO EARTH	1L-23	New Energy and Industrial Technology Development Organization	1A-06	Sanyo Trading	1W-13-06	Waseda University	2U-28
Carl Zeiss	22-26	Hokuriku Economic Federation		NanoCanada		Technology Research Association of Magnetic Materials for High-Efficiency Motors / MaatHEM (Hitachi-Fuji)	1G-26	SATAKE MultiMix	1L-04	WASEDA UNIVERSITY, TOKORO Chiharu Laboratory	2C-27
Central Scientific Commerce	1T-02	HORIBA,	1U-07	Applied Quantum Materials		New Metals & Chemicals Corporation		SCSK	2W-19-07	WELLTECH	1G-28-05
Chitose Institute of Science and Technology Photonics World Consortium	1R-25	HORIBA,	1W-13-09	Edmonton Global		NGK SPARK PLUG	2C-27	Shimada Appli	1G-28-03	Yamagata University Innovation Center for Organic Electronics	1L-10
Chitose Institute of Science and Technology		INCUBATION ALLIANCE	1W-13-C	Embassy of Canada in Japan		Nihon Entegris	2T-24	SHIMADZU	2V-26	Yamagiwa Laboratory, Teikyo University of Science	1G-28-06
CrowdChem	2W-19-12	INM - Leibniz Institute for New Materials	1L-26	Int'vac Thin Film		Nihon Thermal Consulting	ONLINE	SHINMARU ENTERPRISES	1G-01	YOSHIDAKIKAI	2E-27
C's Techno	1W-13-12	Isaac	1J-01	Nanalysis	1U-04	Nippon Paper Industries	2C-23-03	Shinshu TLO	1Q-26	Zeon	1W-13-F
Dainichiseika color & Chemicals Mfg.	1W-13-18	ISE CHEMICALS / Yamagata University	1U-01	NanoIntegriss Technologies		NipponShizai	1W-13-15	Shinshu University	1T-26	ZEON	1L-13
Digital Transformation Initiative Center for Magnetic Materials (DXMag)	2W-19-11	J.A.Woolam Japan	2T-26	Nano Ontario		NiSiNA Materials	1W-13-01	S-Nanotech Co-Creation	1J-22		
DKSH Market Expansion Services Japan	1L-11	Japan Agency for Marine-earth Science and Technology (JAMSTEC)		Norcada		Nissei Corporation	1G-25	Sojitz	1W-13-14		
Doshisha University Graduate School, Biofunctional Chemistry Laboratory, Kohel Okuda	1G-28-08	AKICO	1G-19	Performance BioFilaments		NOMURAPLATING	1L-08	Sojitz	1W-13-04		
e.x.press	2A-26	San-Ei Gen F.F.I.		Soligenic Technologies		Northwestern University	1G-28-11	Space Photon / E&E evolution	1G-28-01		
Ehime Institute of Industrial Technology	2C-26	Japan Science and Technology Agency		Waterloo Institute for Nanotechnology		NSC	1W-13-B	E&E evolution	1G-28-01		
ELIONIX	2L-26	Misano	1N-16	Nanocellulose Japan	2E-22	NTT Advanced Technology	1T-01	Stat Peel	1W-13-19		
EU-Japan Centre for Industrial Cooperation		JEOL	1T-10	Nanocyl	1H-26	Oji Holdings	2C-23-02	Sugino Machine	1G-07		
Czech Nanotechnology Cluster		JOKOH	1W-13-E	NANO-JAPAN	1G-28-02	Okinawa Institute of Science and Technology	1C-04	Sumitomo Heavy Industries Process Equipment / Sumitomo Heavy Industries	1G-10		
GraphenePioneer		JSOL Corporation.	2W-19-01	NanoMalaysia		OPTRONICS	2A-24	SUNARROW	1W-13-07		
Humminck		KAMI SHOJI	2C-22	Blue Snow		Organization for Promotion Academic City by Kyushu University		Super Nano Design	1U-28		
IVAM Microtechnology Network		Kanagawa Institute of Industrial Science and Technology	1T-07	iDeria	1 G-22	Kyushu University		Taguchi Plating Industry	2J-26		
Nanomakers	1M-25	Kao	1W-13-03	Alnair Photonics		Institute of Systems, Information Technologies and Nanotechnologies (ISIT)	2G-26	Taiwan Pavilion			
Digital Surf		Kao	2C-27	Hijrah Nature Herbs (M)		Fukuoka Industry Science & Technology Foundation		Center for Nanoscience and Nanotechnology, National Sun Yat-sen University			
Czech Nanotechnology Industries Association		KAWANOIE ZOKI	1L-07	nanonet Austria		KOALA Tech		National Cheng Hsing University			
Mathym		KIYOKAWA Plating Industry	2E-29	Silicon Austria Labs		OSAKA SODA	1N-22	Biomedical Translation Research Center (BioTRC), Academia Sinica			
SON		KOATSU GAS KOGYO	1W-13-D	Joanneum Research	1C-03	OTSUKA ELECTRONICS	2U-24	Core Facility Center, National Cheng Kung University			
Epiluvac		KOREA PAVILLION (Nano Technology Research Association)		Profactor		Park Systems Japan	1T-08	Harvard Medical School Mclean Hospital / Taipei Medical University Shuang-Ho Hospital			
FCM	1W-13-05	S.W. Chemicals		Materials Center Leoben Forschung		Platform of University Intellectual Property		STRONG NANO TECH			
Feelstone	1J-23	NanoNC		Republic of Austria Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Nanoscience and Nanotechnology Center, SAKWEN, Osaka University	1E-03	Kanagawa University		AgSpring	1N-04		
Foundation for Computational Science	2W-19-08	JEIO	2P-22-04	RI Institute for Newly-Emerging Science Design, Osaka University		Tokyo Denki University		ACOTECH			
Fritsch Japan	2L-28	DON		Nanotechnology Business Creation Initiative	1T-22	Shibaura Institute of Technology		Nanovie			
FUJIMI INCORPORATED	ONLINE	DON		National Institute for Materials Science	2W-19-05	Japan Atomic Energy Agency		Protrustech			
Funano	1T-05	Sukgyung AT		National Institute of Advanced Industrial Science and Technology (AIST)	1W-01	University of Tsukuba	2T-27	HOU CHI CHEMICAL			
FUTEC	2J-27	Douwise		National Institute of Technology, Tsuouka College, Chemical Process Engineering Laboratory (Kodera Lab.)	1Q-25	University of Saitama		Molsentech			
Grant-in-Aid for Transformative Research Areas (A) Molecular cybernetics	2V-22	KUNIMINE INDUSTRIES	1L-25	NEC	1W-13-16	Shinshu TLO		Institute of Physics, Academia Sinica			
GSI Creos	1W-13-A	Kusumoto Chemicals	1W-13-13	Neomond	1S-28	University of Niigata		ZANY Materials Technology			
Gunma University	1U-26	Kyushu University - Thermal Measurement, Thermal Management Demand Research Unit	1G-28-10			Yokohama National University		Luxor Thermal			
		Kyushu University Miura Lab	1G-28-09			Tokyo University of Science		TAIYO YUDEN	2C-27		

SURVEY - VISITOR CATEGORIES

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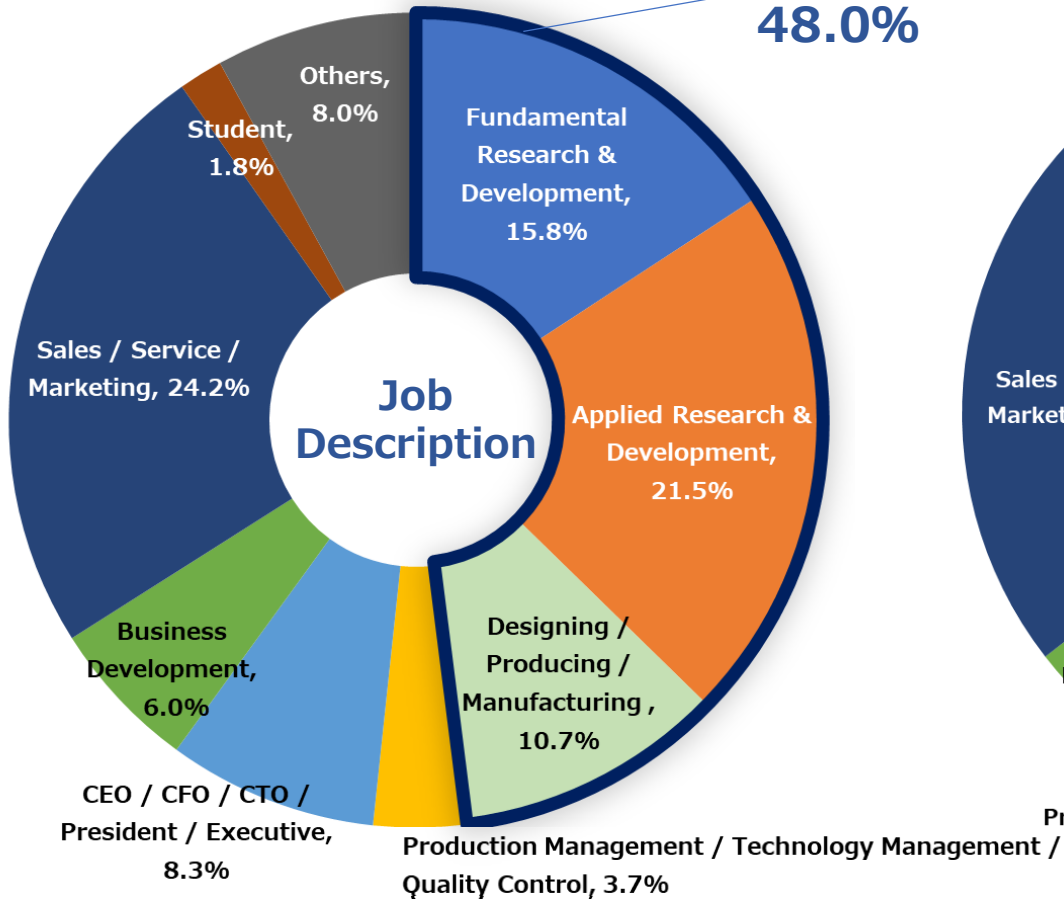
ONSITE VISITORS (TOKYO BIG SIGHT)



SURVEY - VISITOR CATEGORIES

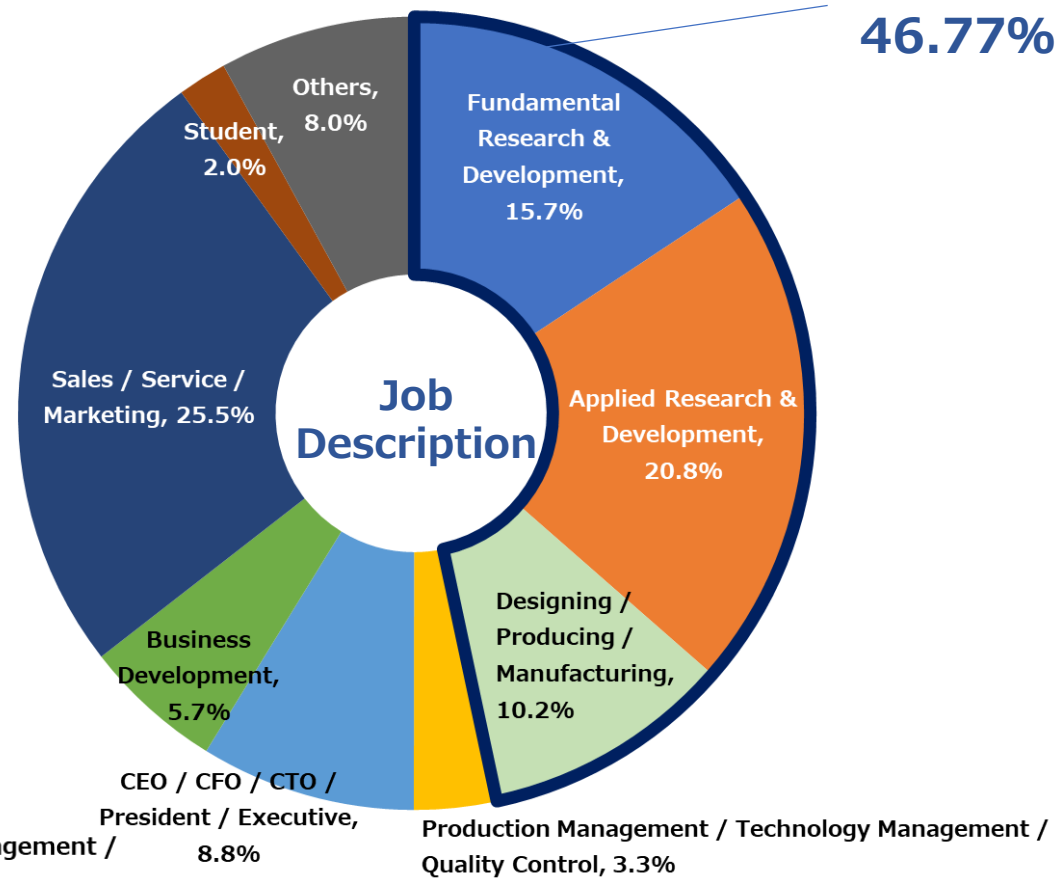
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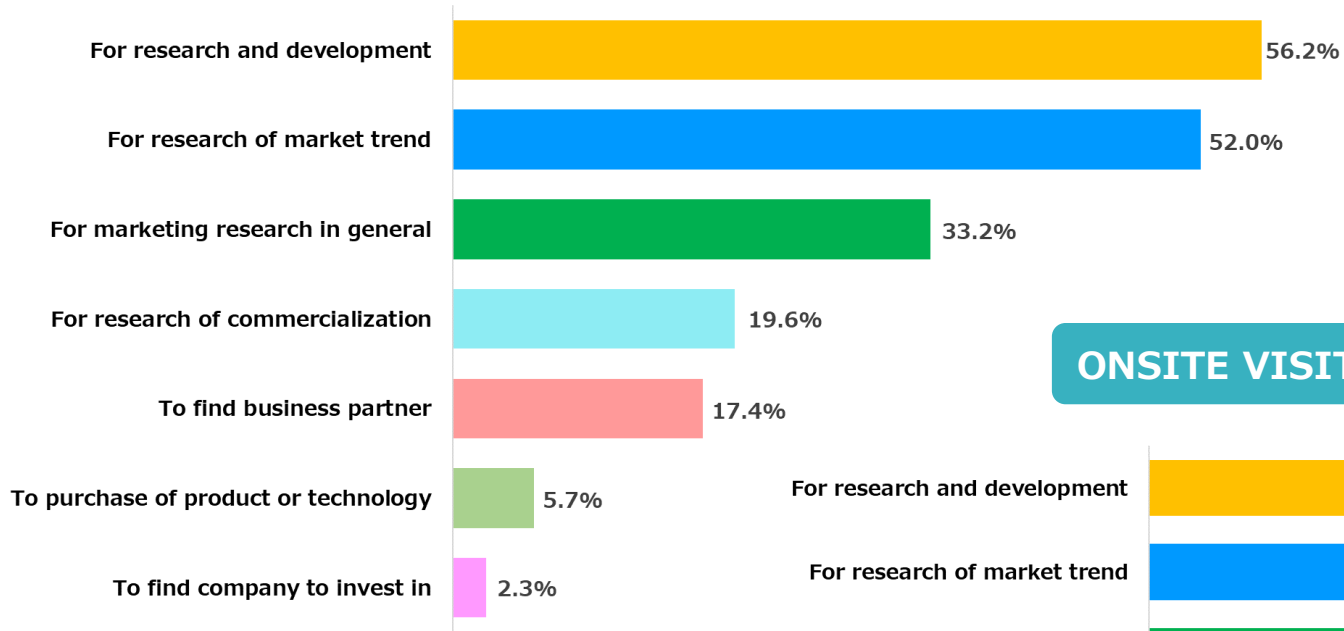
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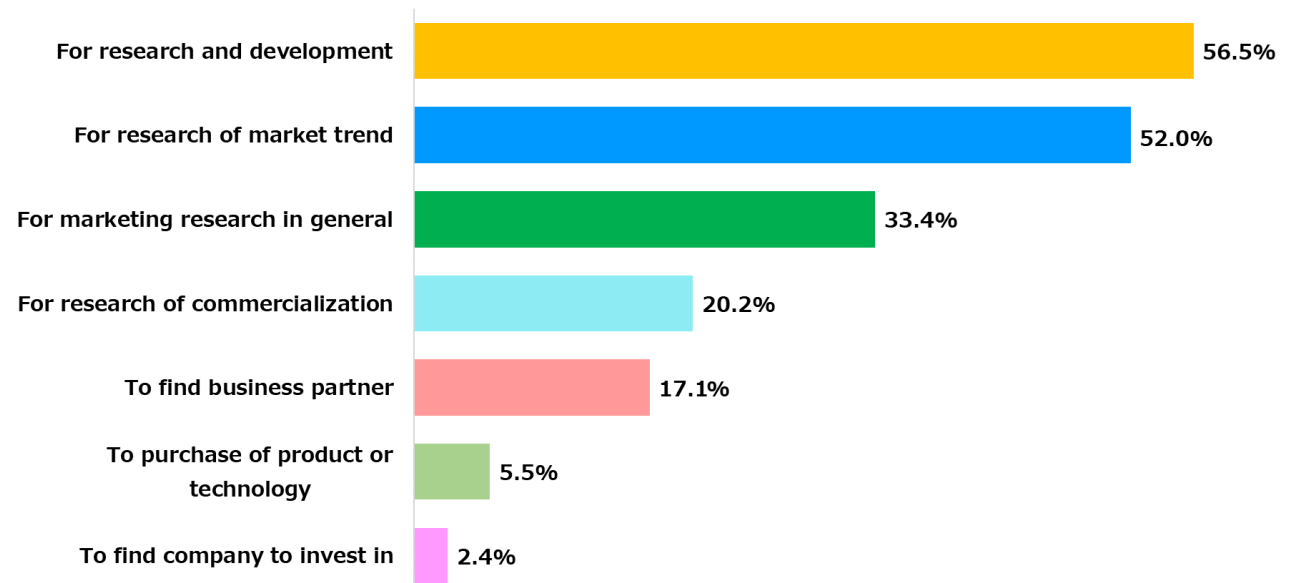


SURVEY - VISITOR'S VOICE

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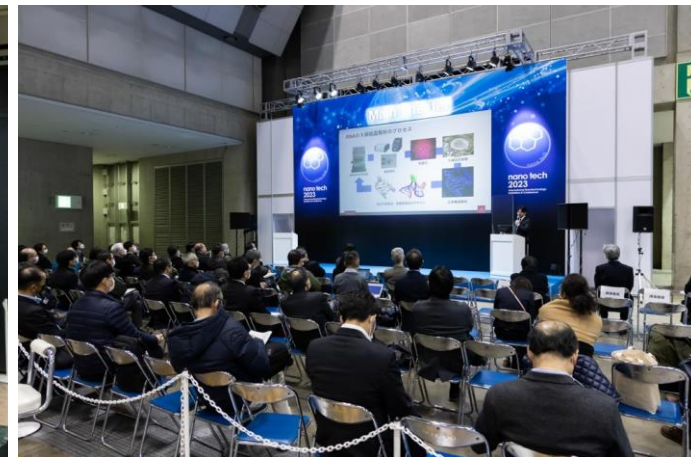
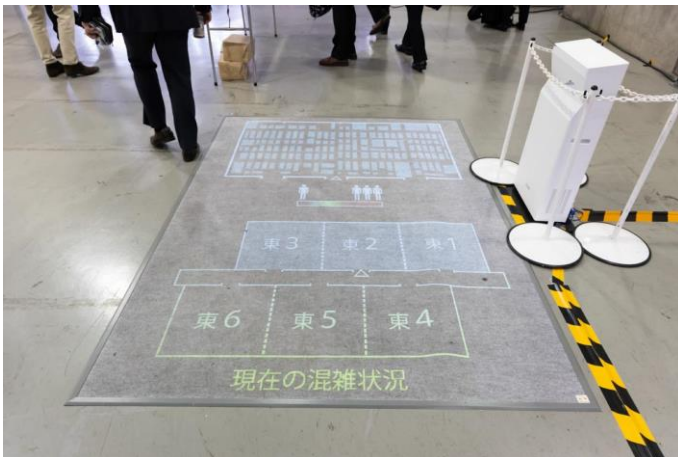


ONSITE VISITORS (TOKYO BIG SIGHT)



Measures against new coronavirus infection

The organizer took the following measures to prevent the spread of COVID-19 infection as last year.



Promotion by the organizer

Visitor Guide

100,000+

E-Newsletter

57,000



News article - Nano Insight Japan

Press Release



Advertisements/Articles

Print and digital advertising was developed domestically and internationally.



ナノテク大賞に日本ゼオン カーボンナノチューブ の多様な事業展開評価

2023/2/6 05:00



大賞を受賞した日本ゼオンNT事業推進部事業推進部長の上島貞氏

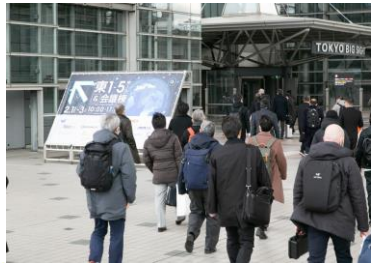
nano tech実行委員会(川合知二委員長=大阪大学招へい教授)は東京・有明の東京ビッグサイトでnano tech2023の

表彰式を開き、「nano tech大賞」に日本ゼオンを選んだ。カーボンナノチューブで、災害時に建築物の熱配管時にセンシングして無線で知らなどを開発。カーボンナノチューブ多様な事業展開を評価した。日刊にはTDKを選んだ。

かれた「第22回国際ナノテク展・技術会議」に出席した36



JTB Communication Design is committed to the SDGs "7. Energy for all. And clean" and "13. Take concrete measures to combat climate change".



“The CO₂ Zero Exhibition” is a carbon offset system that allows the amount of electricity expected to be used in your booth at the exhibition to be regarded as electricity equivalent to renewable energy that does not generate CO₂ through the Green Power Certification System.





感動のそばに、いつも。

Green Power Certificate

グリーン電力証書

CO₂ゼロMICE® 2023年2月展示会

株式会社JTBコミュニケーションデザイン 様

会場：東京ビッグサイト

シリアルナンバー： 08P011-1704-1712-00105476A09~00105775A09
 Serial Number 08P011-1704-1712-00106076A09~00154223A09
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Green Power
Jtb Communication Design

この証書は、下記の通りに自然エネルギーによる発電が行われたことを証明します。
 This certificate proves the following amount of power was generated from a renewable energy source.

グリーン電力相当量：72,700kWh
 Amount of Green Energy: 72,700kWh

発電種別：太陽光発電（長野県 第二期南信州おひさま発電所）
 Type of Power Plant: Solar Power (Second term Minamisinsu Ohisama Power, Nagano)

発電期間：2017年4月~2017年12月
 Power Generation Period: From April 2017 to December 2017

発電期間：2017年4月~2018年3月
 Power Generation Period: From April 2017 to March 2018

証書発行事業者：株式会社JTBコミュニケーションデザイン
 Certificate Issuer: JTB Communication Design, Inc.

認証機関：一般財団法人日本品質保証機構
 Certification Organization: Japan Quality Assurance Organization

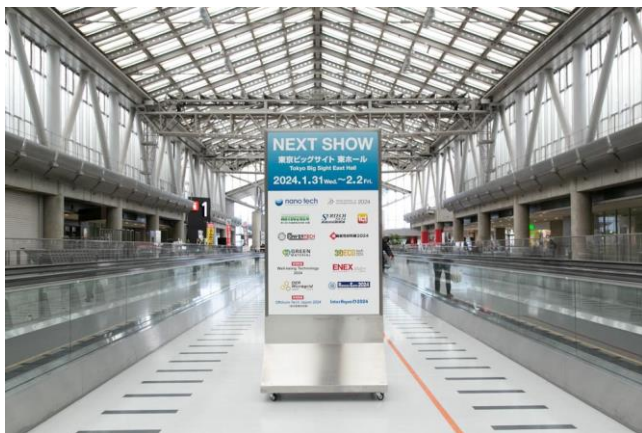


発行日：2023年2月1日
 利用期間：2023年2月1日~2024年1月31日

Jtb Communication Design
 複写・重複利用厳禁

nano tech EXECUTIVE COMMITTEE

Organized by :
nano tech executive committee
JTB Communication Design, Inc.

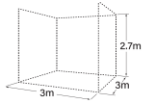


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In cooperation with	The Japan Society of Applied Physics (JSAP) / The Chemical Society of Japan / Japanese Society for Biomaterials / The Japan Society for Analytical Chemistry / The Society of Nano Science and Technology / The Fullerenes, Nanotubes and Graphene Research Society / The Japanese Society of Microscopy / The Ceramic Society of Japan / The Physical Society of Japan / The Society of Polymer Science, Japan / Nanocellulose Japan / *Tentative / In Random Order

Next Show : nano tech 2024

Exhibition Fees

Raw Space Only (booth not included)



*The below exhibition fee including as follows:
 -Exhibitor information page on the official website
 -Viewer information for files or videos on the exhibitor information page.
 -Business Matching System
 For more details, please see the Terms and Condition.

*Side panels are provided when the space borders on neighboring booths.
 Corner booth spaces include only one side wall.

*The below exhibition fee does NOT cover costs for booths' installation, dismantling, decoration, cleaning, or waste disposal, nor charges for electricity/water supply and drainage or internet fees.

Company **¥374,000 (tax included)/9m²**

Public Organizations / Overseas Pavilions / University Labs Area **¥198,000 (tax included) /9m²**

(Optional) Package Booth



Display Cabinet with Sliding Door x 2
 Reception Counter
 Fascia Board 3m
 Name Plate *Gothic Font
 Folding Chair x 2
 Brochure Stand
 Name Card Box
 Arm Spot Light (100W) x 3
 Carpet
 Electric Supply 1kW
 Power Socket
 Trash Can

*including power consumption of lighting equipment (300W)

Plans start from: ¥143,000 (tax included)~

Applications should be sent to the official construction company.

Exhibitor Presentation Fees

Seeds & Needs Seminar

Seminar area capacity: 100 seats

Fee: 1 session = 45 minutes

¥165,000 (tax included)

Fee: 1 session = 30 minutes

¥110,000 (tax included)

Fees include: • Screen and projector for computer-based presentations
 • Audio equipment (2 microphones, speaker)

Optional: Simultaneous interpretation **¥132,000 (tax included)**

Main Theater Presentation

Presentation area capacity: 120 seats

Fee: 1 session = 45 minutes

¥275,000 (tax included)

Exhibitor Support Program

Logo on Official Exhibition Website

¥440,000 (tax included)

On-site Advertising

start from: ¥110,000 (tax included)~



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How to Apply

Simply complete the Online Application Form (<https://www.nanotechexpo.jp/main/>)



Online Application Form

1. Deadline for application: September 29, 2023

2. How to pay: The Secretariat will email you an invoice after your application is received. Exhibition fees must be remitted by the date specified in the invoice without fail. Failure to pay exhibition fees by the deadline may result in your application being declined.

3. Cancellations: As a rule, applications cannot be cancelled. Cancellations are accepted only when the Secretariat deems it unavoidable. In such cases, penalties may be incurred according to the date the written notice of the cancellation is received.

September 29, 2023	Late Oct. to early Nov.	October 31, 2023	January 29-30, 2024	January 31-February 2, 2024
Final deadline for Exhibit Application	The Exhibitor Manual and floorplan will be announced.	Deadline for Payment	Move-in and Set up (2 days)	Exhibition Open (3 days)

* Move-out begins on Feb.2 (Fri.) after the show is closed.

From Aug.1 to Sep.30, 50% of the invoiced amount (including taxes)

From Oct.1 100% of the invoiced amount (including taxes)

Contact: Secretariat of nano tech executive committee, c/o JTB Communication Design, Inc.
 Celestine Shiba Mitsui Building, 3-23-1, Shiba, Minato-ku, Tokyo, Japan 105-8335
 Phone: +81-3-5657-0760 Fax: +81-3-5657-0645 E-mail: nanotech@tbcom.co.jp

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 International Nanotechnology Exhibition & Conference

The 23rd International Nanotechnology Exhibition & Conference

EXHIBITOR PROSPECTUS

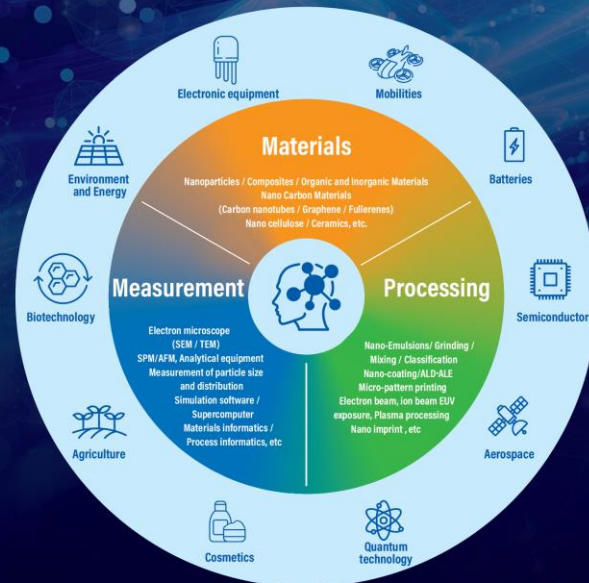
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Date **JAN 31 - FEB 2, 2024**

Venue **East Halls, Tokyo Big Sight**

Seeds become business. Co-creating Innovation.



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"Nanotechnology Accelerating Quantum Future Society" Quantum Zone

R&D DX Special Exhibition

Nano Carbon Open Solution Fair

nanocellulose TECH

Startup Pavilion / Academia Posters Session