

29th Jan - 31st Jan, 2025 / Tokyo Big Sight East Halls



nano tech
International Nanotechnology Exhibition & Conference



neo functional material

Data-driven R&D zone

Exhibit Guide

Date / Venue **29th Jan - 31st Jan, 2025 / Tokyo Big Sight East Halls**

Name nano tech 2025
The 24th International Nanotechnology Exhibition & Conference

Organizer nano tech executive committee
JTB Communication Design, Inc.

Name neo functional material 2025

Organizer Converting Technical Institute
JTB Communication Design, Inc.

Exhibitor Categories

Nano Materials zone

nano particles, composite materials, nano cellulose, carbon nanotubes, nanofibers, nano coatings, nano composite materials, graphene, nano inks, biocompatible materials, photonic materials, Fullerene, nano colloids, high-performance magnetic materials, highly-pure materials, Cellulose nanofibers (CNF), cellulose nanocrystals (CNC), cellulose filaments, bacterial cellulose (BC), microfibrillated cellulose (MFC), cellulose fibrils, nanocellulose composites, and other nanocellulosic materials, Application technologies for ceramics, electrodes, and nanocomposites

Nano Fabrication zone

thin film manufacturing technology, nanoimprint, ultra precision surface processing technology, laser processing, inkjet printing, mixing / stirring / dispersing / grinding techniques, precision pattern printing technology, etching, next-generation lithography, electron beam/ion beam processing, contract processing service, nano transistor technology, priming charge processing, fusion/bonding technology, emulsification, adhesion and bonding technology, microdischarge processing, microtransistor technology, cellulose nanofiber processing

Public Organizations / Academia

Academia (university, laboratory, industry-academia collaboration) Country professionals, national pavilions, academic societies and associations, public institutions, TLOs, local governments, commerce and industry associations, SME support organizations, international organizations and organizations

Nano Analytics zone

electron microscope (SEM / TEM), analysis equipment, evaluation measurement and designing tool, ultra precision measuring instrument, high efficiency / high sensitive sensor, contract evaluation / measurement / analysis service, molecular imaging, simulation / molecular design software, near-field optical, piezo stage, SPM / AFM, micro TAS, Materials Informatics, Simulation and Molecular Design Software, Grain Size and Distribution Measurement, Operand Measurement, Cryomicroscope, Support Tools for Research, Three-Dimensional Measurement, X-ray CT, In-Site Nano Analysis, High Time Decomposition Measurement

Nano Innovation zone

- Automotive ■ Secondary battery ■ Fuel cell ■ Solar battery
- Advanced sensors ■ Advanced semiconductor
- Artificial intelligence / Deep learning
- MEMS / Micromachine ■ Lightweight material ■ Cosmetic materials
- Regenerative medicine ■ Wearables ■ Aerospace ■ Agriculture
- Biomimetics ■ Quantum technology ■ venture company
- Multilayer ceramic capacitors ■ noise elimination ■ flexible platforms
- thermal management technology ■ total solid-state batteries
- lithium-ion batteries ■ Next-generation batteries

Exhibitor Categories

Materials zone

Functional materials, functional resins / additives, coatings / paints / inks, adhesives, PSA / release agents, functional films, etc.

Composite materials zone

Light-weighting plastics (thermoplastics / thermosetting plastics / CFRP / GFRP) / composites (CNT / CNF / glass fiber / other fillers) / compositing technology / equipment, joining technology, etc.

Nonwoven/Functional paper zone

Nonwoven fabric, functional fibers / fiber sheets / compound materials, filters, functional paper, paper / special paper, pulp / raw fiber / wood materials (cellulose / CNF / biomass plastic) / paper making materials, paper making chemicals, etc.

Prototyping / Contracting zone

Contracted manufacturing, research, analysis, measuring, prototyping, pilot production, OEM, R&D support (test sample production, etc.), consulting, etc.

Concurrent Events

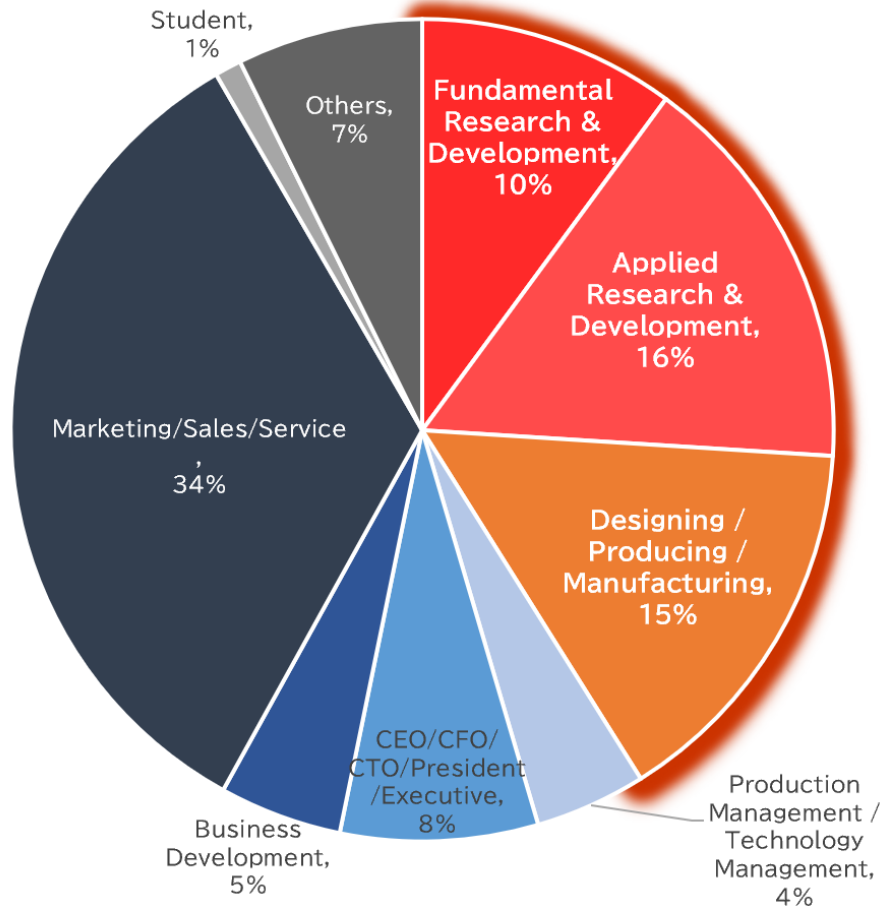


Exhibitions with high quality of visitors

*Calculated from visitor registration data for nano tech 2024/neo functional material 2024

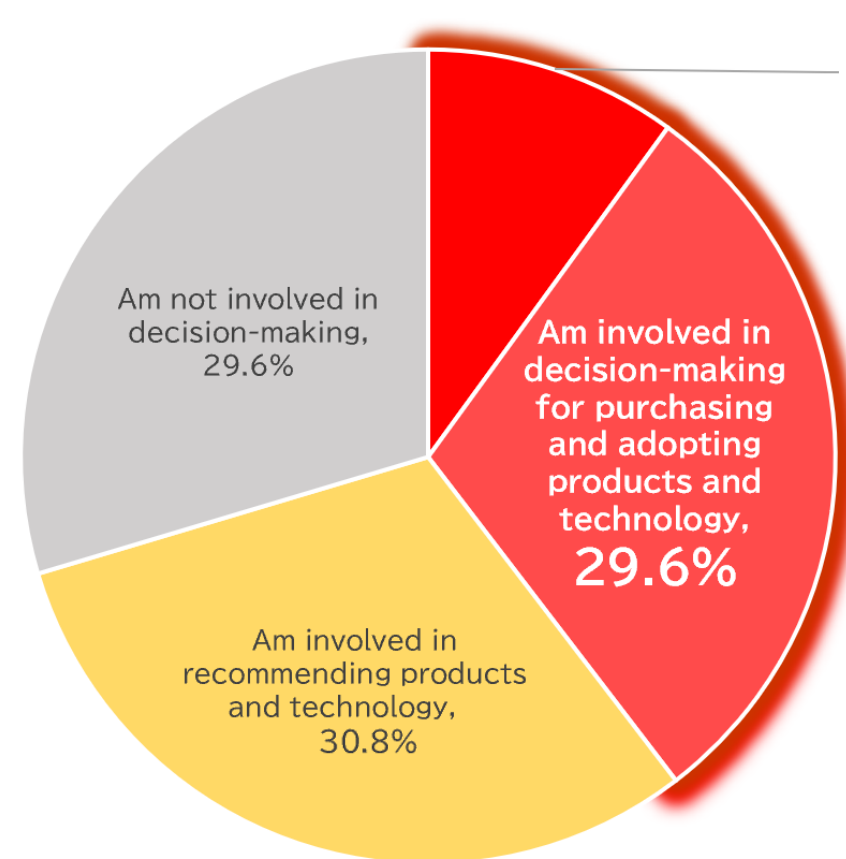
Business category

40% of visitors came from the R&D sector



Job category

40% involved in purchase/implementation decisions

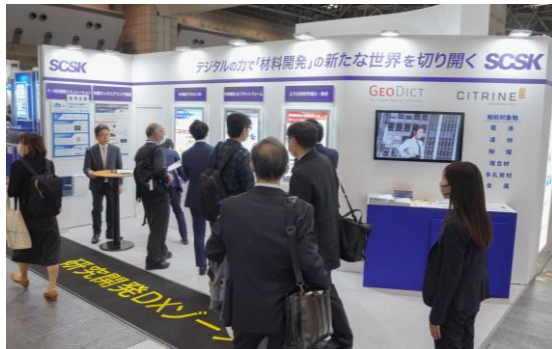


Have decision-making authority for purchasing and adopting products and technology, **10.0%**

Expand your business opportunities with Exhibitions × Seminars × Online Features!!

Exhibitions

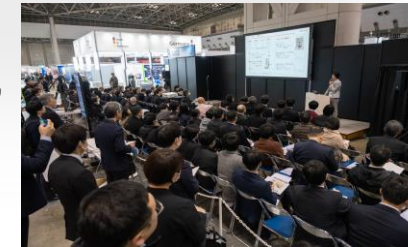
The comprehensive exhibition of new materials and processing technologies is adjacent, allowing you to directly meet a wider range of visitors.



Seminars

Promote detailed use cases and know-how! By combining presentations, you can achieve effective promotion.

*In addition to the booth exhibition fee, you will need to apply for options separately. please see details on p.9.



Online Features

Free for All Exhibitors

It's not just for the three days of the event! Connect with customers on the web two months before the event starts.

① **Product information registration on the official exhibition website**
It is possible to post PDF documents and videos.



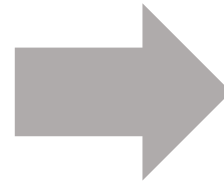
② **Business Matching System**
It is possible to send direct appointment requests to interested registrants and exhibitors.

60% of those who send appointment requests secure business discussions!

The "Data-driven R&D zone" is located between nano tech and neo functional material, creating a significant synergistic effect!

Data-driven to revolutionize materials R&D

In the past, research and development of new materials was a field that required an enormous amount of time, cost, and personnel. It was common for a single material development to take more than 10 years.



In recent years, the traditional approach to new material development is being transformed by the promotion of **Digital Transformation (DX)**, utilizing big data analysis and artificial intelligence. Through this practice of DX, attractive new materials are being created at a faster pace than ever before.



The “Data-driven R&D Zone” is a specialized area that provides DX solutions to these R&D challenges.

Promote your Materials Development Solutions!

Exhibitor subjects

- Materials Informatics (materials discovery/property prediction/first principle calculations, etc.)
- Process Informatics (process discovery/real-time sensing/process simulation, etc.)
- Related technologies (autonomous discovery systems/high-throughput experiments and AI robots/analysis, evaluation, and measurement technologies), among others.

| | Keyword | total | | Keyword | total | | Keyword | total | | Keyword | total |
|----|--|-------|----|----------------------------|-------|----|------------|-------|-----|---------------------|-------|
| 1 | Carbon nanotubes | 1386 | 26 | Paint | 180 | 51 | Bonding | 104 | 76 | Simulation | 70 |
| 2 | Thermoelectricity, Insulation, heat dissipation, heat conduction | 969 | 27 | Conductivity | 165 | 52 | Nonwoven | | | | 70 |
| 3 | Rechargeable Battery (All-Solid-State Battery, Lithium-ion Battery) | 764 | 28 | Copper | 158 | 53 | Membrane | | | | 67 |
| 4 | Nanoparticles | 750 | 29 | Recycling | 157 | 54 | Nanofiber | | | | 67 |
| 5 | Cellulose nanofiber | 729 | 30 | Laser | 155 | 55 | Roll | | | | |
| 6 | Pulverization, dispersion, agitation, mixing, emulsification, classification | 714 | 31 | Silica | 155 | 56 | 3D | | | | |
| 7 | Fuel Cells, Solar Cells | 677 | 32 | CO2 | 146 | 57 | Micro | | | | |
| 8 | Ink jet | 472 | 33 | AI | 143 | 58 | Anti | | | | |
| 9 | Graphene | 388 | 34 | DX | 139 | 59 | Pow | | | | |
| 10 | Carbon | 364 | 35 | MEMS | 137 | 60 | S | | | | |
| 11 | Films | 334 | 36 | Printing | 137 | | | | | | |
| 12 | Coating | 328 | 37 | 3D Printer | 125 | 63 | Robot | | | | |
| 13 | PFAS | 323 | 38 | Ink | 125 | 64 | Rubber | | | | 61 |
| 14 | Sensors | 312 | 39 | Filler | 125 | 65 | Painting | | | | 61 |
| 15 | Resins | 294 | 40 | Materials Informatics (MI) | 125 | 66 | Nanocarbon | | | | 61 |
| 16 | Plating | 263 | 41 | ALD | 123 | 67 | Conductive | | | | 60 |
| 17 | Bio | 257 | 42 | Adhesion | 120 | 68 | Silicone | 74 | 93 | Odor | 59 |
| 18 | Semiconductors | 252 | 43 | Metal | 119 | 69 | Plastic | 74 | 94 | Decoration | 59 |
| 19 | Analysis | 246 | 44 | Ceramics | 116 | 70 | Pump | 74 | 95 | lignin | 58 |
| 20 | Biomass | 209 | 45 | Filter | 116 | 71 | Material | 74 | 96 | Power Semiconductor | 57 |
| 21 | Hydrogen | 208 | 46 | Silver | 113 | 72 | Fiber | 73 | 97 | Magnetic | 57 |
| 22 | Nanoimprint | 195 | 47 | Glass | 112 | 73 | Ultrasonic | 73 | 98 | Spread | 57 |
| 23 | LED | 194 | 48 | Ceramics | 109 | 74 | Graphite | 73 | 99 | Microfabrication | 57 |
| 24 | Catalysts | 193 | 49 | Plasma | 105 | 75 | Cosmetics | 72 | 100 | DLC | 56 |
| 25 | Quantum | 183 | 50 | Quantum dots | 105 | | | | | | |

As search terms for visitors to find products and exhibitors, the term "AI" has seen a significant surge!
*previously ranked 98th

Along with "DX" and "MI", interest is growing among nano tech attendees.

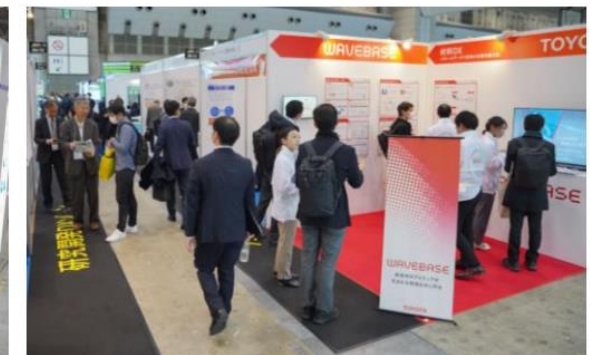
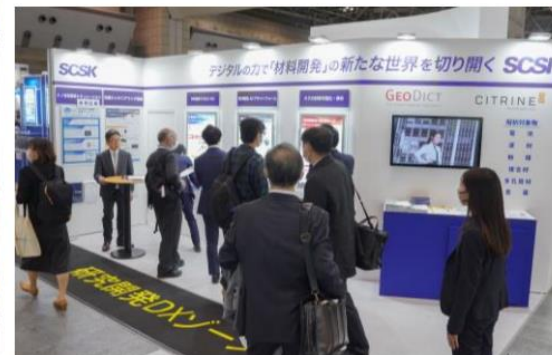
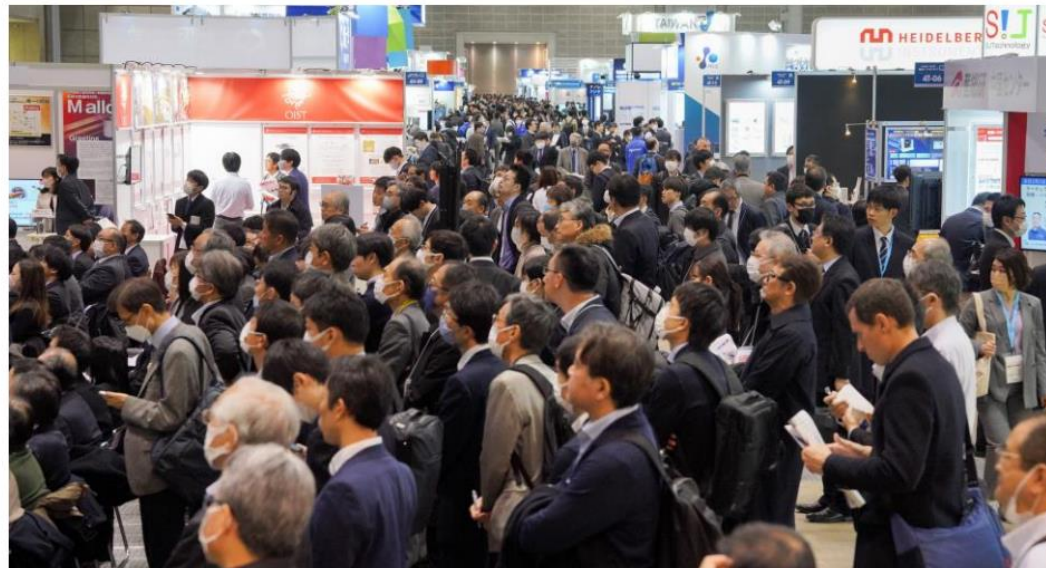
Data-driven R&D zone

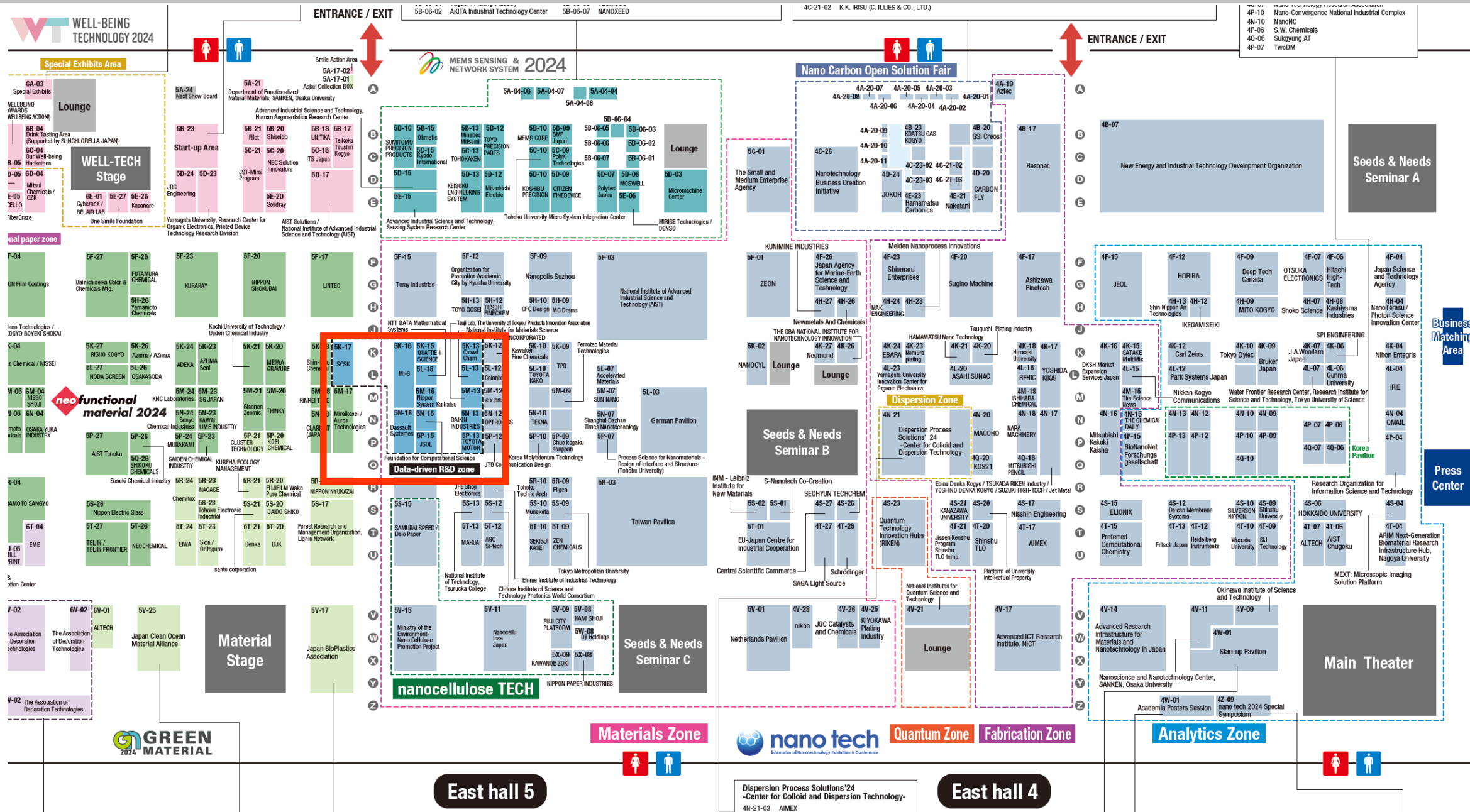
Now in its third year as a pickup theme, Data-driven R&D was reborn as a permanent zone. Various solutions to realize such as informatics solutions, AI and simulation software, and materials design and development were presented. The scale of the event exceeded that of the previous show and was well received by visitors.

Details of the event

Exhibitors from companies and organizations with products of Materials Informatics, Simulation software, and other DX solutions.

| Exhibitor | Booth No. |
|--|-----------|
| CrowdChem | 5K-13 |
| DAIKIN INDUSTRIES | 5N-13 |
| Dassault Systemes | 5N-16 |
| Foundation for Computational Science | 5N-15 |
| JSOL | 5P-15 |
| MI-6 | 5K-16 |
| National Institute for Materials Science | 5L-13 |
| Nippon System Kaihatsu | 5M-15 |
| NTT DATA Mathematical Systems | 5L-15 |
| QUATRE-i SCIENCE | 5K-15 |
| SCSK | 5K-17 |
| TOYOTA MOTOR CORPORATION | 5P-13 |
| Tsuji Lab, The University of Tokyo / Products Innovation Association | 5M-13 |





Organizer's project

2/1(木) 特別シンポジウム: MIはナノ材料開発をどう変化させたのか - 現状の課題と今後の展望 - (nano tech)



**汎用原子レベルシミュレータ
Matlantisによる計算材料科学のMI活用と課題**

名児耶 彰洋 氏

Preferred Computational Chemistry
技術営業部シニアマネージャー



産業界における種々のMI活用

入江 満 氏

MI-6
CTO



**ナノ材料開発におけるMIへの期待
- 新組成から新構造・新プロセスへ -**

阿尻 雅文 氏

東北大学
材料科学高等研究所 名誉教授

2/2(金) 研究開発DXセミナー(新機能性材料展)



**デジタルラボラトリーの
世界的潮流と将来展望**

東京大学 大学院理学系研究科
化学専攻 教授
一杉 太郎



**生成AIを活用した新規用途
探索の高精度化・高速化**

三井化学 デジタルトランスフォーメーション
推進本部 デジタルトランスフォーメーション
企画管理部 チームリーダー /
信州大学 工学部 特任准教授 /
大阪大学 基礎工学研究科 招聘教授
向田 志保



**ロボット実験とAIの連携による
蓄電池用電解液材料の
自律自動探索**

物質・材料研究機構
松田 翔一

Exhibitor Seminar

1/31(水)

2/1(木)

2/2(金)

| | | | | | | | |
|-------------|--|-------------|--|-------------|--|-------------|---|
| 14:15-14:45 | スケールアップのためのインフォマティクス活用 -ラボスケールから工場への展開- 八嶋 徹氏 MI-6 データサイエンティスト | 14:15-14:45 | 樹脂コンパウンド材料における マテリアルズ・インフォマティクスの活用とは? 大山 俊治氏 MI-6 カスタマーサクセス リーダー | 12:45-13:15 | 材料設計のためのDXソリューションのご紹介 渡辺 麻衣子氏 JSOL エンジニアリング事業本部 | 14:30-15:15 | 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 |
| 15:00-15:30 | AIによる「閲覧」を見据えた新時代における 研究データ蓄積 永田 徹哉氏 ダイキン工業 電子システム事業部 営業部 データサイエンスG | 15:45-16:15 | 3Dプリンタ(積層造形)、金属多孔質体、複合材などを 対象とした高機能材領域における ミクروسケールシミュレーションの活用事例 尾嶋 翼氏 SCSK デジタルエンジニアリング事業本部プロダクト推進部 | 14:15-14:45 | 半導体領域におけるマテリアルズ・ インフォマティクスの活用 -レジスト材料の探索、CMPの条件最適化編- 小島 秀平氏 MI-6 | 15:45-16:15 | 熱マネジメントを実現する複合材の配合最適化手法のご紹介 ~GeoDict × Citrine Platform 連成~ 金子 貴大氏 SCSK デジタルエンジニアリング事業本部プロダクト推進部 |
| 15:45-16:15 | マテリアルズ・インフォマティクスを推進し 材料開発の高速化を実現する「Citrine Platform」のご紹介 金子 貴大氏 SCSK デジタルエンジニアリング事業本部プロダクト推進部 | | | | | | |

Booth Exhibition Fees

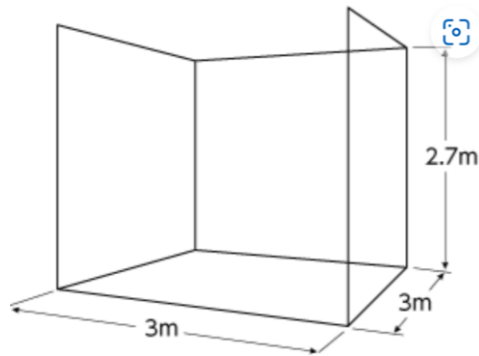
Standard

¥418,000/9m²

University Labs

¥209,000/9m²

Tax 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.

■ (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~

Applications should be sent to the official construction company. Tax included

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)



Data-driven R&D zone Special Service

Seminar promotion in the organizer's newsletter

We will conduct promotional announcements about your seminar within the Data-driven R&D zone feature, which is delivered to approximately **60,000 visitor databases** owned by the organizer.



【開催型大特集】
本当は身近な研究開発DX
 皆様のご関心に応じ、日本最大の企業向けDX特集、組込み機能を提供いたします。
 株主や顧客がはるばるの成果を求め、大量生産からカスタマイズへのシフト。その
 際、デジタル技術・サービスが不可欠な事業領域の革新が起る。オフライン・オンライン
 双方の顧客と繋がる、新たな事業領域の革新。そのためのDX特集...

How to apply to exhibit

- ① Please access the online “Exhibitor Application Form”.
<https://application.jcdbizmatch.jp/en/nanotech2025/nanotech>
- ② Please select “Data-driven R&D zone” in the “Exhibit Zone” section and fill in the required information.
- ③ Please enter the quantity you are applying for items such as “Exhibition Fees” and “Seeds & Needs Seminar” in the “Application Fee” section.

● Regarding the booth location, you will select it based on the number of booths and in the order of applications received.



Exhibitor Application Form

Application Fee

All fees below include tax.

■ Exhibition Space (1 space : 3m x 3m = 9m² Viewer data of registered exhibitor's product information)

| | |
|-----------------------------------|---|
| Exhibition Fees (Standard) | ¥ 418,000 x <input type="text"/> spaces = ¥ 0 |
| Exhibition Fees (University Labs) | ¥ 209,000 x <input type="text"/> spaces = ¥ 0 |
| Exhibition Fees (Others) | ¥ <input type="text"/> x <input type="text"/> space = ¥ 0 |

■ Exhibitor Presentation

| | |
|---|---|
| Seeds & Needs Seminar (1 slot: 30 mins.) | ¥ 110,000 x <input type="text"/> = ¥ 0 |
| Seeds & Needs Seminar (1 slot: 45mins.) | Seminar ¥ 165,000 x <input type="text"/> = ¥ 0 |
| Main Theater Presentation (1 slot: 45mins.) | Presentation ¥ 275,000 x <input type="text"/> = ¥ 0 |

Schedule

| September 30, 2024 | Late Oct. to early Nov. | October 31, 2024 | January 27-28, 2025 | January 29-31, 2025 |
|--|---|----------------------|-----------------------------|--------------------------|
| 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 Jan.31 (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@jtbcom.co.jp