

Exhibition Report

■ Onsite Exhibition

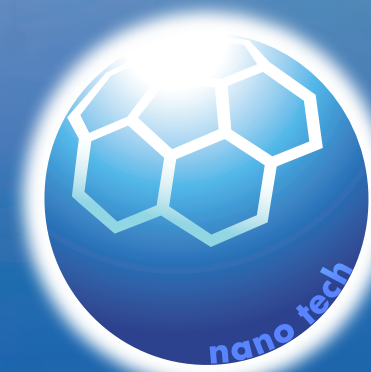
Date : **09** DECEMBER - **11** DECEMBER 2020

Venue : Tokyo Big Sight, Japan
West Exhibition Hall 1, Atrium & Conference Tower

■ Online Exhibition

26 OCTOBER 2020 – 15 JANUARY 2021

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



nano tech
2021

International Nanotechnology
Exhibition & Conference

OVERVIEW

Name	nano tech 2021 The20th International Nanotechnology Exhibition & Conference
Date & Time	Onsite : Wednesday 09 to Friday 11 DECEMBER, 2020 10 : 00 - 17 : 00 Online : Monday 26 OCTOBER 2020 – Friday 15 JANUARY 2021
Venue	West Exhibition Hall 1, Atrium & Conference Tower, Tokyo Big Sight, Japan
Online	https://www.nanotechexpo.jp/main/

Concurrent Events



FACTS & FIGURES

Number of Visitors
(Includes the concurrent exhibitions)

* Included Online Exhibition

22,704

* Number of Visitors (Tokyo Big Sight)

Date	Weather	Visitors
Dec. 9 (Wed.)		3,649
Dec. 10 (Thu.)		3,375
Dec. 11 (Fri.)		3,591
Total		10,615



Number of Exhibitors	209	Domestic: 169 Overseas: 40
Onsite Booth Exhibitors	177	Domestic: 149 Overseas: 28
Online Exhibitors	32	Domestic: 20 Overseas: 12

Booth Numbers	218	Domestic: 209 Overseas: 9
Overseas Exhibitors	9	Countries / Regions

Canada (online), Denmark, France, Germany,
Korea (online), Netherlands, Poland, Spain, USA (online)



ONLINE EXHIBITION

nano tech 2021 was held as onsite-online hybrid exhibition to create business opportunities even in the difficult situation of COVID'19.



Onsite-Online Hybrid exhibition -Features of online services-

01. Set business appointments in advance



You can make appointments with exhibitors you are looking for. After making appointments, you can have business meetings at the booth or online(Cisco webex) during the exhibition.

02. You can download catalogues and view videos



-To make efficient business meeting, you can download catalogues and videos related to exhibits in exhibitor search in advance.

03. Register for seminars









-The organizer seminar can be registered by visitors portal. You can view online seminars during the exhibition. Seminar archives are accessible for a separate fee(Jan.13-15)





ORGANIZER PROGRAMS - SPECIAL SYMPOSIUM

Special symposium was held during exhibition under the main theme of nano tech 2021 “Nanotechnology with New Social [***]”. Lectures on latest research reports and market trends by leading specialists and researchers attracted many visitors.

Titles Omitted

Nanotechnology and infectious diseases Dec. 09 (Wed.)	
Chairman : Kazumi Nishijima, Fellow, Clinical Development Planning and Management, Mochida Pharmaceutical Co., Ltd. / Auditor, Japan Society for the Promotion of Science / Visiting Professor, Tohoku University / Visiting Professor, Yokohama City University	
Development of Practical Delivery Systems for mRNA-based Vaccines	Preventing the severity of COVID-19 by nanotechnology and AI
 <p>Prof. Kazunori Kataoka Director General, Kawasaki Institute of Industrial Promotion/ Project Professor, The University of Tokyo Innovation Center of NanoMedicine/Institute for Future Initiatives</p>	 <p>Prof. Keisuke Goda Professor, University of Tokyo / Adjunct Professor, University of California, Los Angeles / Adjunct Professor, Wuhan University</p>
Highly pathogenic virus detection using high sensitive graphene FET	Diagnostic system of infection diseases based on nanopores
 <p>Prof. Kazuhiko Matsumoto Institute of Scientific and Industrial Research</p>	 <p>Prof. Masateru Taniguchi Professor, The Institute of Scientific and Industrial Research, Osaka University</p>
Current status and issues for pharmaceutical companies to tackle the infectious diseases	Antibacterial/ Antiviral etc
 <p>Dr. Yoshinori Yamano Chief scientific officer for infectious diseases, Pharmaceutical Research Division Shionogi & Co., Ltd.</p>	 <p>Mr. Yui Muguruma Zenius Ltd.</p>

5G Dec. 10 (Thu.)	
Chairman : Tadashi Ito, Chief Research Scientist, Head of Special Project Research & Development Management Headquarters, FUJIFILM Corporation, Part-time Lecturer Faculty of Engineering, The University of Tokyo, Graduate School of Science and Engineering, Chiba University	
Development of Low Dk/Df Material for 5G Application	Properties and transmission loss evaluations of low dielectric polyimides adhesives for high frequency flexible printed circuit boards
 <p>Mr. Naoyuki Kawashima JSR Corporation</p>	 <p>Mr. Takashi Tasaki ARAKAWA CHEMICAL INDUSTRIES, LTD.</p>
Surface Functionalization and Control of Functional Interface by Surface Photochemical Modification and Nanocoating Technology - Application to Advanced Dissimilar Joint for 5G FPC Materials -	
 <p>Dr. Takako Nakamura Team Leader, Advanced Coating Technology Research Center, Photo-Assisted Coating Team, National Institute of Advanced Industrial Science and Technology</p>	

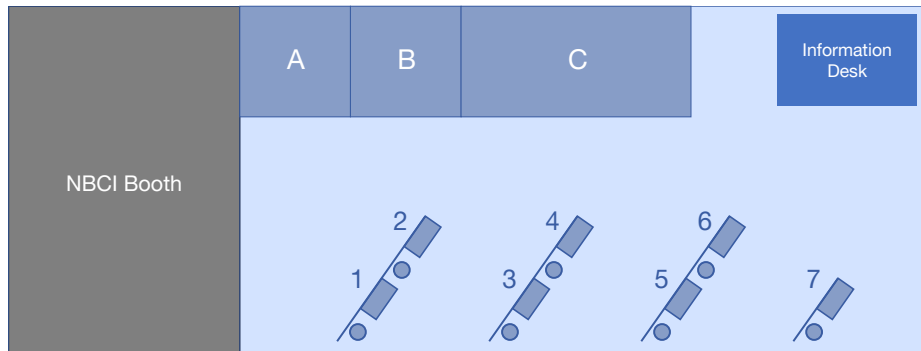
Measurement Informatics Dec. 10 (Thu.)	
Chairman : Satoshi Itoh, Chief Coordinator, Foundation for Computational Science	
Integration of olfactory sensor "MSS" and machine learning toward artificial olfaction	Optimized experiment and automated data analysis for material science
 <p>Dr. Genki Yoshikawa Group Leader, Olfactory Sensors Group, Center for Functional Sensor & Actuator (CFSN), Research Center for Functional Materials, National Institute for Materials Science (NIMS)</p>	 <p>Prof. Kanta Ono High Energy Accelerator Research Organization (KEK)</p>
Informatics for EELS/XAFS -Innovation in spectrum analysis by machine learning-	Expectations and efforts for advanced analysis by measurement informatics
 <p>Prof. Teruyasu Mizoguchi Professor, Institute of Industrial Science, The University of Tokyo</p>	 <p>Dr. Hideto Imai Technical Director, NISSAN ARC Ltd.</p>

Biodegradable Plastics Technology Dec. 11 (Fri.)	
Chairman : Tadashi Ito, Chief Research Scientist, Head of Special Project Research & Development Management Headquarters, FUJIFILM Corporation, Part-time Lecturer Faculty of Engineering, The University of Tokyo, Graduate School of Science and Engineering, Chiba University	
To realize KAITEKI; Sustainable Materials and our Activities for Circular Economy	Development of KANEKA Biodegradable Polymer PHBH
 <p>Ms. Yumiko Saeki Manager, Advanced Polymers Planning Domain, Mitsubishi Chemical Corporation</p>	 <p>Dr. Ryuji Fukuda Regulatory Affairs Mnager, Green Planet Project Global Planning & Marketing, KANEKA CORPORATION</p>

Nanotechnology with New Social Pioneer of a New Era Dec. 11 (Fri.)	
Chairman : Takashi Kurokawa, Professor, Division of Basic Science and Technology, College of Engineering, Chubu University / Visiting Professor, Tokyo City University	
Revolutional synthesis of peptides	Hidden power of abundant elements
 <p>Prof. Hisashi Yamamoto Professor and Director, Chubu University, Frontea Research Center</p>	 <p>Prof. Hideo Hosono Director, Institute Professor, Materials Reserach Center for Element Strategy, Tokyo Institute of Technology</p>
Can we visualize electron behaviours by electrons? -Challenges of electron microscopy-	[Panel discussion] Three guest speakers in the panel discussion which took place in the second half of the symposium.
 <p>Prof. Naoya Shibata The University of Tokyo</p>	 <p>[Moderator] Prof. Takashi Kurokawa Professor, Division of Basic Science and Technology, College of Engineering, Chubu University / Visiting Professor, Tokyo City University</p>

ORGANIZER PROGRAMS – NANO CARBON OPEN SOLUTION FAIR

The 2nd Nano Carbon Open Solution Fair offered opportunities for exchange of information and business matching, leading application development of nano carbon.



Booth No.	Company name
AT-02-A	GSI Creos
AT-02-B	Jikantechno
AT-02-C	Nitta
AT-02-1	NiSiNa materials
AT-02-2	TPR
AT-02-3	SANYO TRADING
AT-02-4	HORIBA
AT-02-5, AT-02-6	Zeon Corporation
AT-02-7	SUNARROW
ONLINE	Research Initiative for Supra-Materials Shinshu University
ONLINE	New Metals and Chemicals Corporation
ONLINE	Zeon Corporation

ACADEMIA POSTER PRESENTATION

nano tech supports university researchers and promotes business-academia collaboration.



START-UP PAVILION

nano tech offers opportunities for business collaboration of start-up companies and visitors.



来場案内配布

100,000部以上



事務局メールマガジン

62,000名

(過去ご来場有効データ)



特に、ご登録いただいた**出展製品のクローズアップ企画**及び**主催者による取材特集記事**が好評でした。

プレスリリース配信

PR TIMES

国内有数のプレスリリース配信会社「PR Times」を活用しメディアへのプレスリリース配信を実施しました。

広告/記事掲載



2020年11月11日 日刊工業新聞



2020年11月29日掲載 産経新聞(大坂)



2020年12月8日 日経産業新聞



2020年12月8日 中日新聞(愛知・岐阜・三重・静岡)



2021年1月6日 中日新聞(愛知・岐阜・三重・静岡)



2020年12月2日から8日 日刊工業新聞トップページ上にて レクタン



ナノテクノロジービジネス推進協議会や協賛団体などのホームページ上で来場促進 レクタン

日経産業新聞
日刊工業新聞
化学工業日報
科学新聞
等(一部抜粋)

出展者取材特集 Nano Insight Japan

新規出展や注目の出展アイテムについて取材し多くの方に事前告知をいたしました。



AGAINST COVID-19

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



Temperature measurement for all participants and staffs



Disinfection of fingers at the hall entrance



Sign for keeping social distancing



Announcement for the infection prevention



Taking a distance at symposium and seminar



Ventilation and frequent disinfection in the hall

FLOOR MAP

West hall
1,2

Booth Numbers
2W-A03
Hall Row Column
number number

12.9~11.2020
TOKYO BIG SIGHT
West hall 1,2

West hall 1

nano tech 2021
The 4th International Exhibition on Nanotechnology

All about Photonics 2021
The 10th International Exhibition on Photonics

MEMS SENSING & NETWORK SYSTEM 2021

Surface Technology Creates New Business
The 10th International Exhibition on Surface Technology

SURTECH 2021
The 10th International Exhibition on Surface Technology

tct 2021
The 10th International Exhibition on Surface Technology

West hall 2

Convertech JAPAN 2021
The 10th International Exhibition on Surface Technology

neo functional material 2021
The 10th International Exhibition on Surface Technology

FLEX 2021
The 10th International Exhibition on Surface Technology

3DECO tech 2021
The 10th International Exhibition on Surface Technology

ENEX 2021
Energy and Environment Exhibition

DER Japan 2021
The 10th International Exhibition on Surface Technology

RENEWABLE ENERGY 2020
The 10th International Exhibition on Surface Technology

InterAqua O 2021
The 10th International Exhibition on Surface Technology



As of November 27, 2020.

- Renewable Energy 2020 Exhibition**
- 2W-P03-01 Nangang Biotech Trading / Kansai
 - 2W-P03-02 Iwata Kenmei
 - 2W-P03-03 Structural Performance Evaluation Institute
 - 2W-P03-04 KAWAKURA BROS WORKS
 - 2W-P03-05 Kawanabe Energy Company
 - 2W-P03-06 Loop
 - 2W-P03-07 Iwai City
 - 2W-P03-08 Information Center
 - 2W-P03-09 SASEN ROBOTICS
- Renewable Energy 2020 Exhibition**
- Academic zone**
- 2W-P03-10 JAPAN SOLAR ENERGY SOCIETY
 - 2W-P03-11 Institute of Regional Innovation PROSAIL
 - 2W-P03-12 Kagawa Institute of Technology IRIKAWA
 - 2W-P03-13 Goshima Research Society of Japan
 - 2W-P03-14 TOKYO UNIV. OF AGRIC. FACULTY OF AGRIC.
 - 2W-P03-15 Power and Energy Lab., Department of Electrical Engineering, College of Science and Technology, Aichi Univ.
 - 2W-P03-16
 - 2W-P03-17 Res. Inst. Electron. Sci. (RES), Hokkaido Univ.
 - 2W-P03-18
 - 2W-P03-19 Renewable Energy Science & Technology Research Institute, RES, Tokyo University of Science

EXHIBITORS

ADEKA
Altech.Co.,Ltd
Anton Paar Japan
ARIOS
Beckman Coulter
Bruker Japan
BUSS JAPAN
Carl Zeiss
Chitose Institute of Science and Technology/Photonics World Consortium
City of Kawasaki
DAIKIN INDUSTRIES,
Daio Paper
DINOVAC
DKSH JAPAN
Ehime Prefecture
ELIONIX
Eppendorf Hima Technologies
EU-Japan Centre for Industrial Cooperation
EUROTEC
Filmetrics JAPAN
FORGE NANO
Fritsch Japan
FUJIKIN
Graduate School of Engineering at Osaka Prefecture University
GSI Creos
Heidelberg Instruments KK
Hirosaki University
Hiroshima University
HOKKAIDO UNIVERSITY
Hokkaido University, Yonezawa Laboratory
HORIBA
HORIBA
ISHIKAWA R&D
J.A.Woollam Japan
Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

Japan Aviation Electronics Industry
Japan Science and Technology Agency
JEOL
Jikantechno
JSOL
KOREA PAVILION
Kumamoto University
Kyushu Semiconductor & Electronics Technology Innovation Association
Matsusada Precision
METI KANSAI
MEXT-Supported Project: Imaging Platform
MITSUBISHI KAKOKI KAISHA
MitsuiElectric
NAGAO SYSTEM
Nagasaki University
Nagoya University
Nagoya University CIRFE Young Researcher Unit
nano tech
NanoCanada
Nanoscience and Nanotechnology Center, The Institute of Scientific and Industrial Research, Osaka Univ.
Nanotech Energy
Nanotechnology Business Creation Initiative(NBCI)
Nanotechnology Platform Japan
Netherlands Pavilion
New Energy and Industrial Technology Development Organization(NEDO)
New Metals and Chemicals Corporation
Nihon Entegris
NiSiNa materials
Nissei Corporation
Nitta
NOMURAPLATING
Oita University
Okayama University, Interface Process Engineering Lab.

Okinawa Institute of Science and Technology
Ota City Industrial Promotion Organization
Otsuka Electronics
Park Systems Japan
QUATRE-i SCIENCE
Research Initiative for Supra-Materials Shinshu University
RICOH
Saga Prefectural Regional Industry Support Center
Saitama Industrial Promotion Public Corporation
SANYO TRADING
Satake Chemical Equipment Mfg.,
Shinmaru Enterprises Corporation
Shinshu TLO
Shinshu University
Shinshu University
S-Nanotech Co-Creation
Sugino Machine Limited
Sumitomo Heavy Industries Process Equipment
Sumitomo Metal Mining
SUNARROW
Super Nano Design
Taguchi Plating Industry
TAIYO KAGAKU
The Science News
Tohoku Techno Arch
Tokyo Dylec
TOKYO METROPOLITAN UNIVERSITY
TPR
Waseda University
Xigo Nanotools
YOSHIDA KIKAI
Yoshikawakuni Plastics Industries
Zenius
Zeon Corporation
Zeon Corporation
Zeon Nano Technology

SURVEY – VISITOR'S VOICE

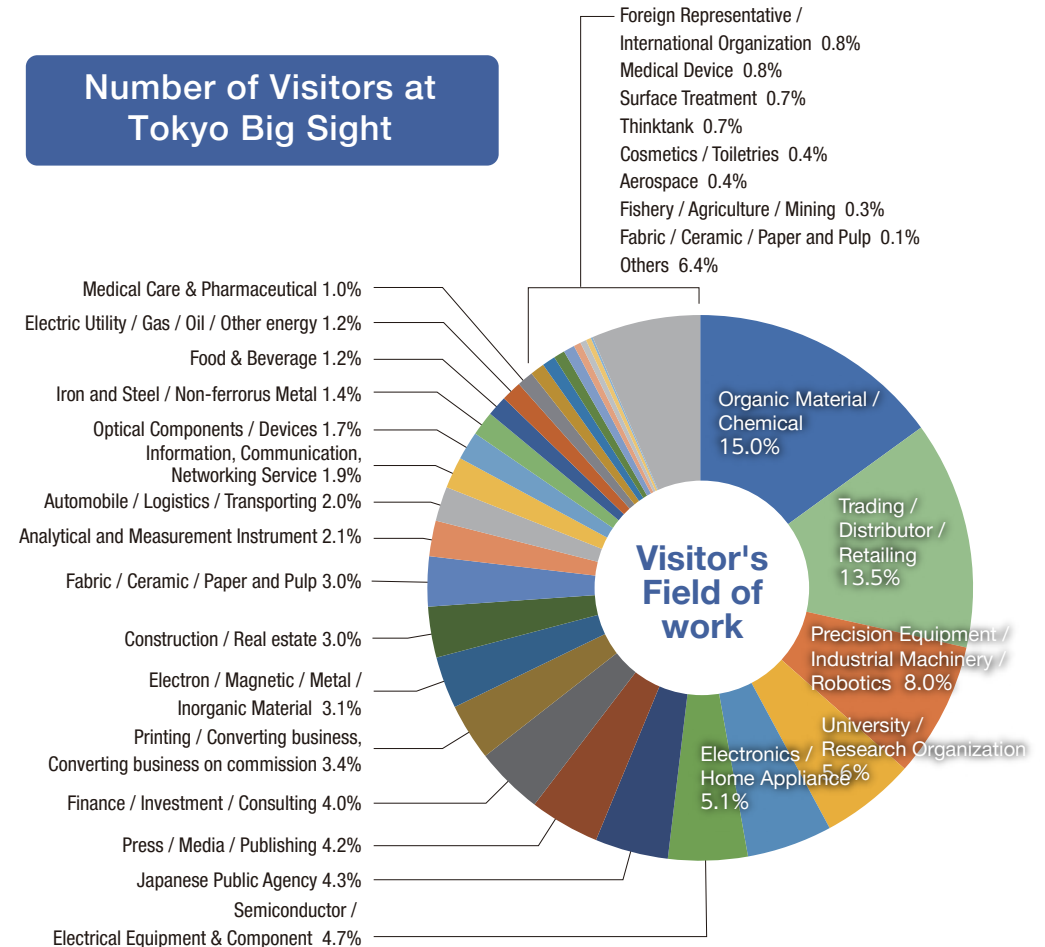
nano tech KEY FEATURE : Attendees from various industries participated.

*This result comes from nano tech visitors

Overall Number of Visitors (Online & Offline)



Number of Visitors at Tokyo Big Sight

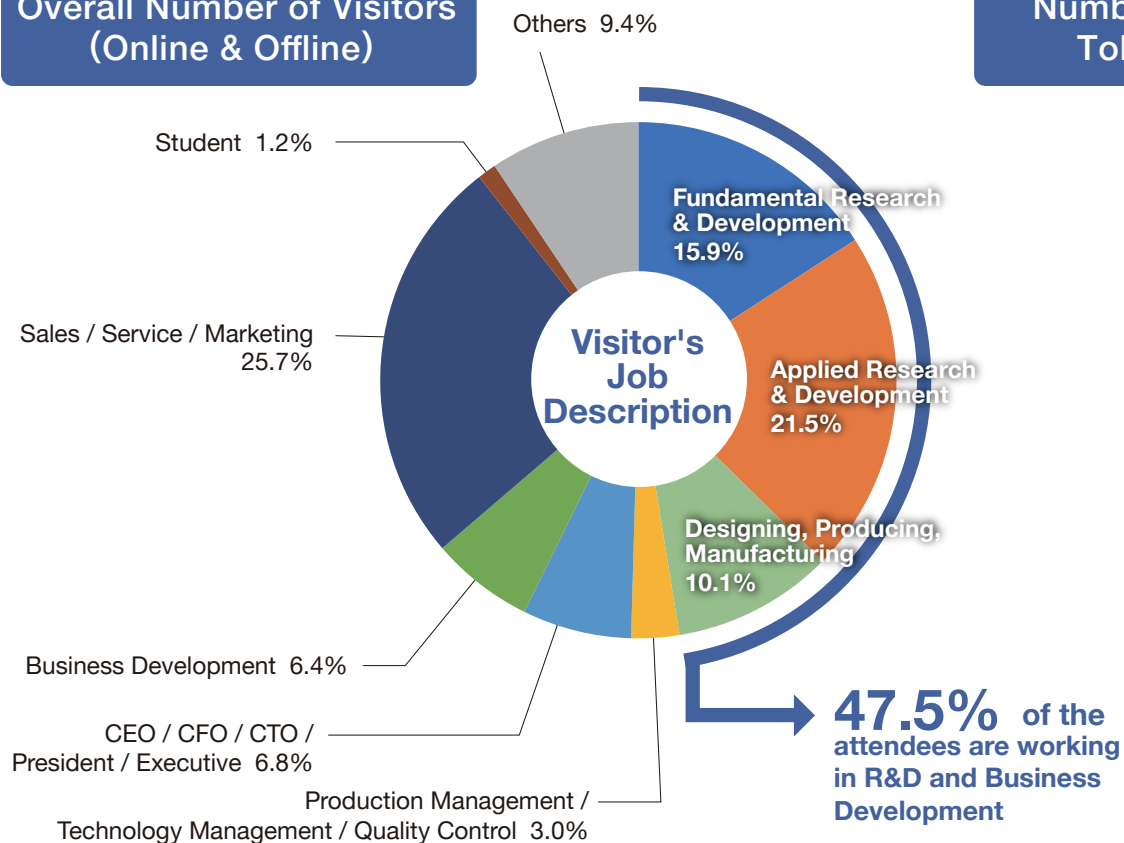


SURVEYS – VISITOR

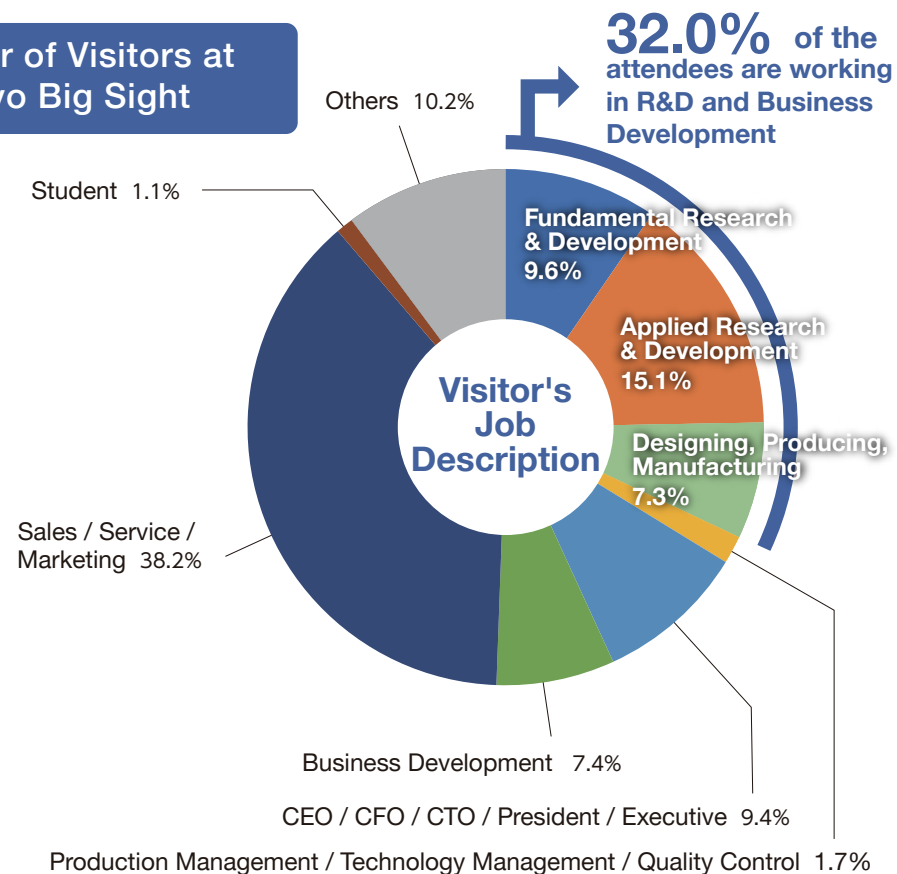
nano tech KEY FEATURE : Approx. 50% of the attendees are working in R&D and Business Development.

*This result comes from nano tech visitors

Overall Number of Visitors
(Online & Offline)



Number of Visitors at Tokyo Big Sight

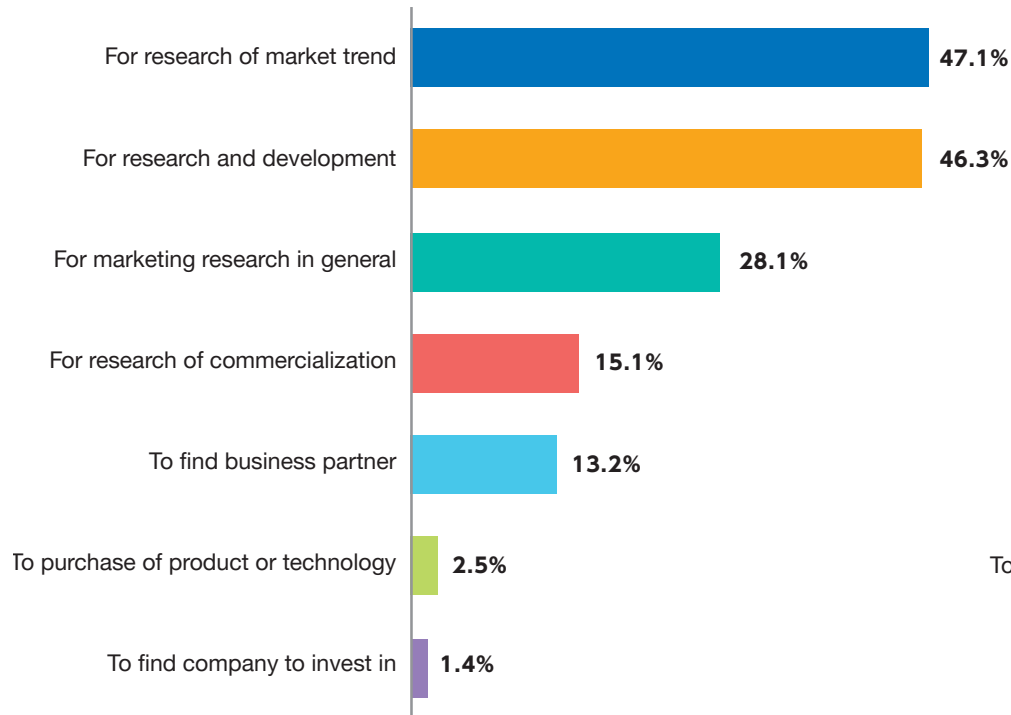


SURVEY – VISITOR'S VOICE

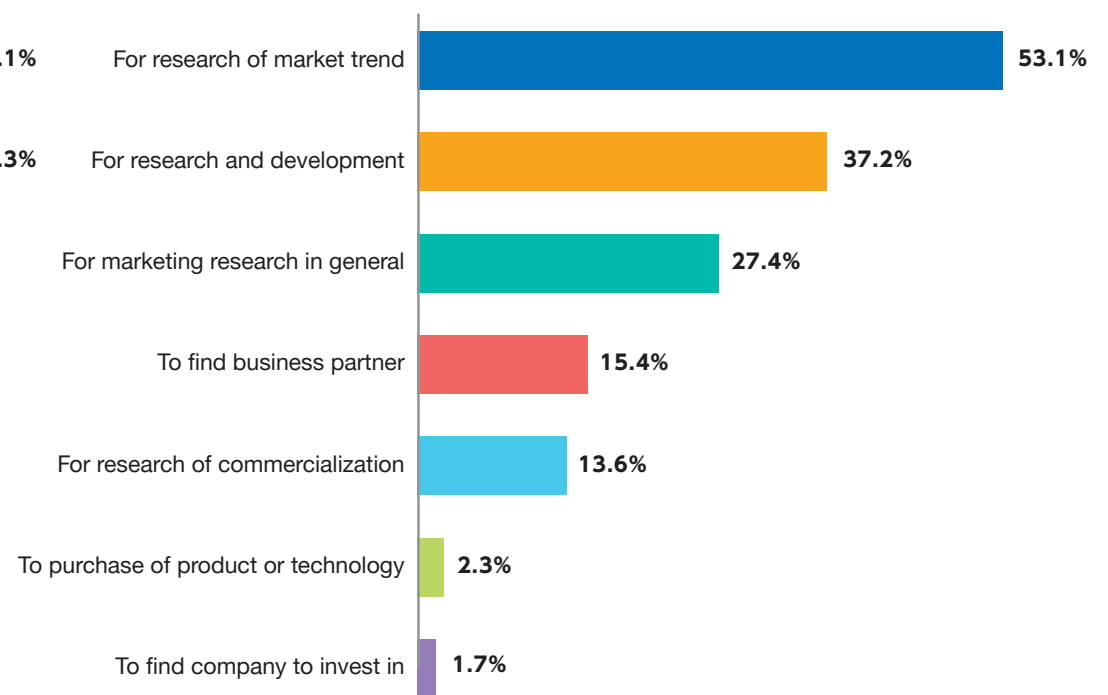
Visitor's main reason for participation is to seek new business chances for the next generation of development.

*This result comes from nano tech visitor questionnaire (multiple answers)

Overall Number of Visitors (Online & Offline)



Number of Visitors at Tokyo Big Sight



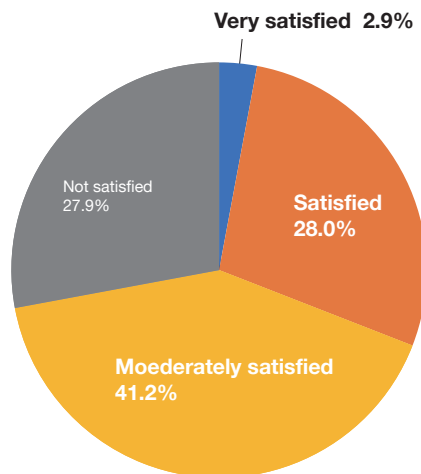
SURVEY – EXHIBITORS VOICE

nano tech KEY FEATURE :
Exhibitors were satisfied with the level of traffic and quality of visitors at their booth.

*This result comes from nano tech exhibitor questionnaire

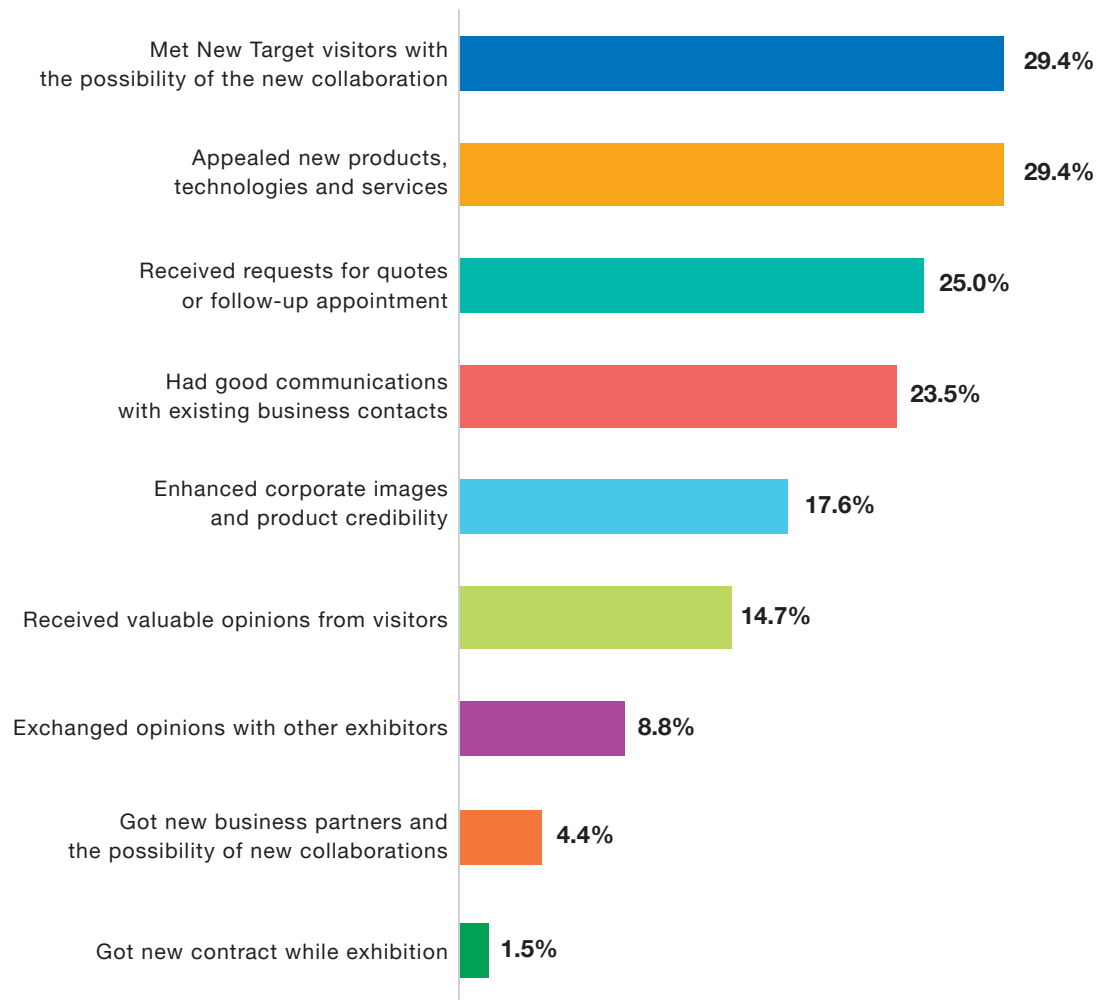


nano tech KEY FEATURE :
Virtually most of attendees report that visiting at the nano tech is valuable to their company.



nano tech KEY FEATURE :
Exhibitors found the show resulted in quality leads.

*This result comes from nano tech exhibitor questionnaire (multiple answers)



Organized by nano tech Executive Committee As of 03 March, 2021

- Chairman** Tomoji Kawai, Professor, The Institute of Scientific and Industrial Research, Osaka University / Fellow, Technology Strategy Center, NEDO / Specially Appointed Fellow, CRDS, JST / Distinguished Professor, Tokyo City University
- Vice-chairman** Yoshinobu Baba, Professor, Department of Biomolecular Engineering, Graduate School of Engineering / Director, Institute of Nano-Life-Systems, Institutes of Innovation for Future Society / Director, Institute of Quantum Life Science, National Institutes for Quantum and Radiological Science and Technology
- Members** Kohei Arakawa, Executive Technical Supervisor, ZEON CORPORATION
- Kazuo Furuya, Emeritus Scientist, National Institute for Materials Science (NIMS) / Vice-President, International Federation of Societies for Microscopy (IFSM)
- Masahiko Hara, Professor, School of Materials and Chemical Technology, Department of Chemical Science and Engineering, Tokyo Institute of Technology / Senior Visiting Scientist, RIKEN
- Shigeki Hara, Director, Nanomaterials Research Institute, AIST
- Keijiro Hirahara, Fellow, SIP-Structural Materials for Innovation, Japan Science and Technology Agency
- Yoshiyuki Hisada, Corporate International Standardization Promotion Dept. Engineering Development Promotion Div, DENSO CORPORATION
- Toshiya Imada, Director General of Materials Technology and Nanotechnology Dept, New Energy and Industrial Technology Development Organization (NEDO)
- Tadashi Ito, Chief Research Scientist, Head of Special Project Research & Development Management Headquarters, FUJIFILM Corporation, Part-time Lecturer Faculty of Engineering, The University of Tokyo, Graduate School of Science and Engineering, Chiba University
- Satoshi Itoh, Chief Coordinator, Foundation for Computational Science
- Shinichi Kamei, General Manager, Research Center for Policy and Economy, Mitsubishi Research Institute, Inc.
- Naoto Kobayashi, Associate Director, Professor, Center for Research Strategy, Waseda University
- Takashi Kurokawa, Professor, Division of Basic Science and Technology, College of Engineering, Chubu University / Visiting Professor, Tokyo City University
- Yoshio Matsuda, General Manager on Special Assignment, Technology Center Planning Dept. / General Manager on Special Assignment, Investor Relations Dept., Toray Industries, Inc.
- Kazumi Nishijima, Fellow, Clinical Development Planning and Management, Mochida Pharmaceutical Co., Ltd. / Auditor, Japan Society for the Promotion of Science / Visiting Professor, Tohoku University / Visiting Professor, Yokohama City University
- Noboru Sasa, Manager, Material and Advanced Technology Development Center, Innovation/R&D Division, RICOH COMPANY, LTD.
- Masahiro Takemura, SIP Director, Department of Innovation Platform, Japan Science and Technology Agency
- Naoya Wada, Director General, Advanced ICT Research Institute, National Institute of Information and Communications Technology
- Kiyoshi Yase, Assistant Managing Director, Research Association of High-Throughput Design and Development for Advanced Functional Materials (ADMAT)
- Makoto Yokota, Secretary General, Nanotechnology Business Creation Initiative (NBCI)
- Shinichi Yorozu, Coordinator, Center for Emergent Matter Science, RIKEN
- Takahiro Matsui, Senior Fellow, JTB Communication Design, Inc.

Secretary
General

Supported by Cabinet Office Government of Japan / Ministry of Internal Affairs and Communications / Ministry of Education, Culture, Sports, Science & Technology / Ministry of Economy, Trade & Industry / Embassy of the Kingdom of the Netherlands / EU-Japan Centre for Industrial Cooperation / National Institute of Information and Communications Technology (NICT) / National Institute for Materials Science (NIMS) / Japan Science and Technology Agency (JST) / National Institute of Advanced Industrial Science and Technology (AIST) / New Energy and Industrial Technology Development Organization (NEDO) / Nanotechnology Business Creation Initiative (NBCI) *Tentative

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 Japanese Society of Microscopy / The Ceramic Society of Japan // The Physical Society of Japan / The Society of Polymer Science, Japan / *Tentative

Next Show nano tech 2022 26-28 JANUARY, 2022 at Tokyo Big Sight See you there!



CONTACT Secretariat of nano tech executive committee
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Jtb
Communication
Design

