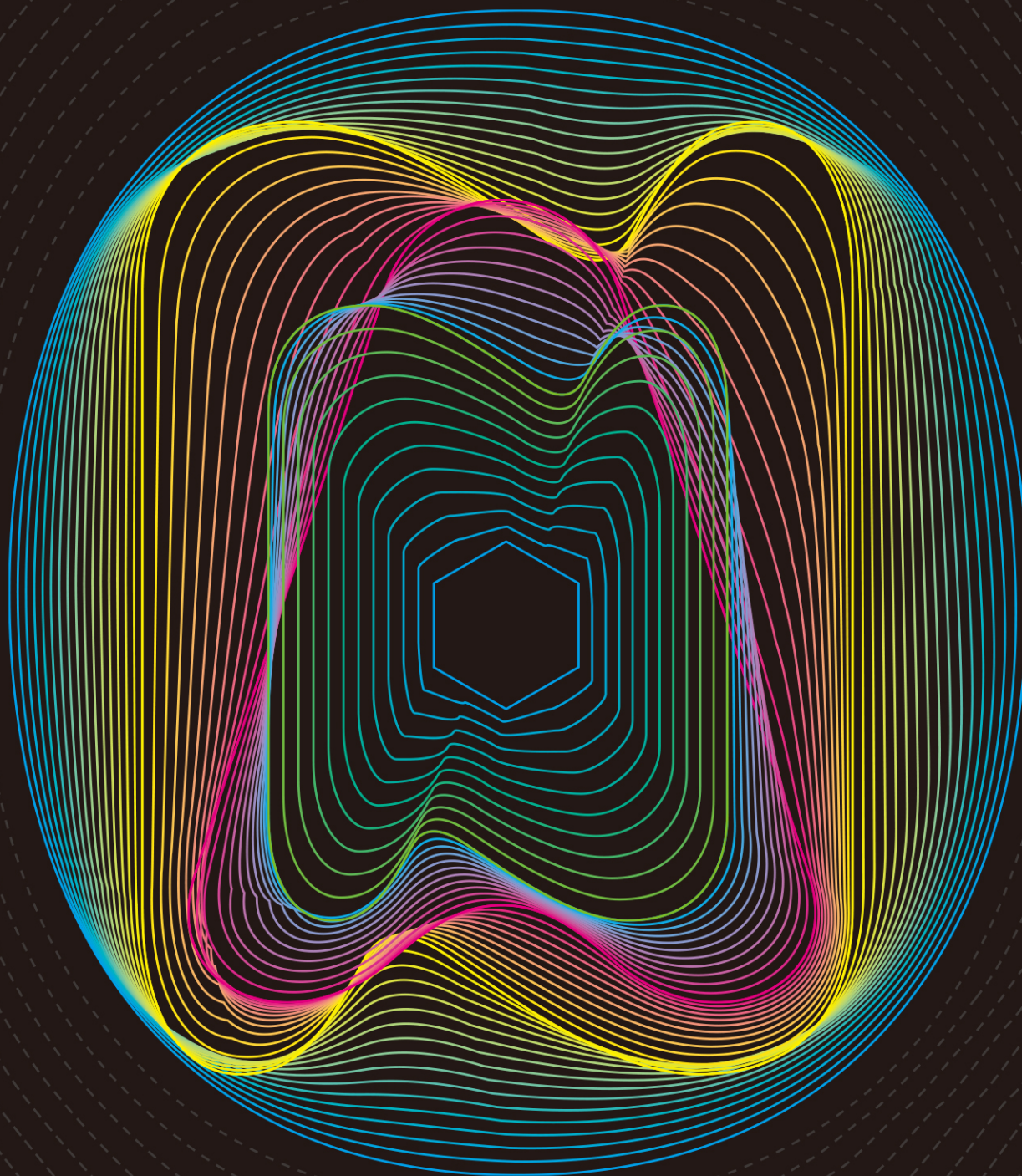


[www.nanokorea.or.kr](http://www.nanokorea.or.kr)

# NANO KOREA 2020

The 18<sup>th</sup> International Nanotech Symposium & Exhibition



**2020.7.1(Wed.) ~ 3(Fri.), KINTEX, KOREA**

**Hosted by** Ministry of Trade, Industry & Energy(MOTIE) / Ministry of Science and ICT(MSIT)

**Organized by** NANO KOREA Organizing Committee (Nano Technology Research Association / Korea Nano Technology Research Society)

**Supported by** Nano-Convergence Foundation / Advanced Technology Center Association(ATCA) / Korea Trade-Investment Promotion Agency(KOTRA)

Korea Institute of Science & Technology Evaluation and Planning(KISTEP) / Korea Institute of Science and Technology Information(KISTI)

Korea Foundation for the Advancement of Science and Creativity(KOFAC) / Korea Institute for the Advancement of Technology(KIAT)

Korea Industrial Technology Association(KOITA) / Korea Evaluation Institute of Industrial Technology(KEIT) / National Research Foundation of Korea(NRF)





## Exhibition Outline

Event Name	NANO KOREA 2020 The 18 <sup>th</sup> International Nanotech Symposium & Exhibition
Date	July.1(Wed)~3(Fri), 2020 / 3 days
Venue	KINTEX Exhibition Center I , Hall 4&5
Event Scale	- Exhibition : 15 Countries 450 Companies 700 Booths - Visitor : 40 Countries 12,000 People
Hosted by	Ministry of Trade, Industry & Energy(MOTIE), Ministry of Science ICT(MSIT)
Organized by	NANO KOREA Organizing Committee (Nano Technology Research Association, Korea Nano Technology Research Society)
Sponsored by	Nano-Convergence Foundation, Advanced Technology Center Association (ATCA), Korea Trade-Investment Promotion Agency (KOTRA), Korea Institute of Science & Technology Evaluation and Planning (KISTEP), Korea Institute of Science and Technology Information (KISTI), Korea Foundation for the Advancement of Science and Creativity (KOFAC), Korea Institute for Advancement of Technology (KIAT), Korea Industrial Technology Association (KOITA), Korea Evaluation Institute of Industrial Technology (KEIT), National Research Foundation of Korea (NRF)



# Exhibition Con

NANO KOREA effectively communicates the core technologies and applications needed for future new industries such as semiconductor, display and mobile industries, as well as electric vehicles, AI, IoT, robotics, and biomedical technologies. It is an international platform for interacting with core technologies and applications needed for future new industries.



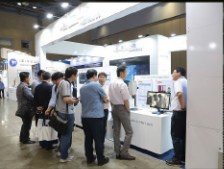
## The 18<sup>th</sup> International Nanotechnology Exhibition

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)  
**Organized by** NANO KOREA Organizing Committee (Nano Technology Research Association, Korea Nano Technology Research Society)  
**Exhibit categories** Nano materials, Nano devices, Nano Fabrication Technology, Nano Evaluation & Measurement, Application Areas, etc.



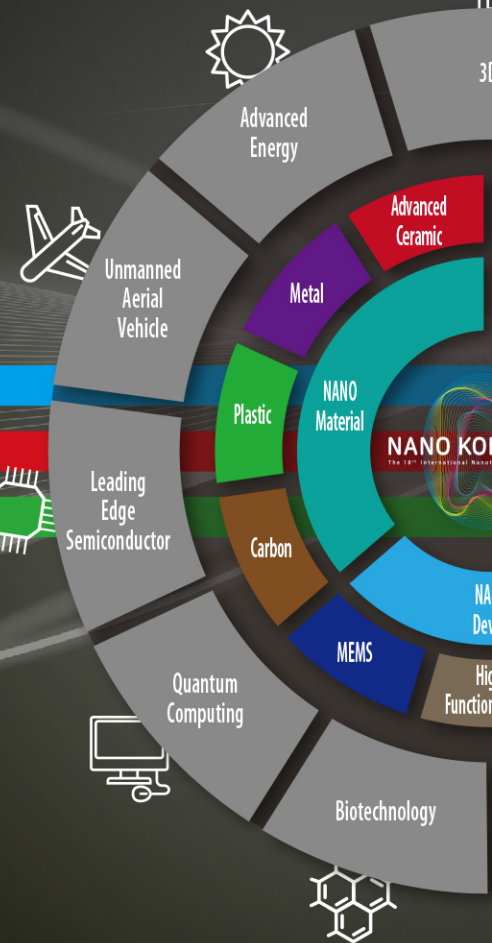
## The 13<sup>th</sup> International MicroNanoSystems Exhibition

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)  
**Organized by** The Society of Micro and Nano Systems, Nano Technology Research Association  
**Exhibit categories** Microsensor, wearable device, actuator, optical application module, semiconductor processing equipment, etc.



## The 12<sup>th</sup> International Adhesive, Coating and Film System Fair

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)  
**Organized by** Korea Adhesive Coating Association, Nano Technology Research Association  
**Exhibit categories** Adhesive, Chemical Equip, Waterproofing, Paint, Coating Materials, Nano Product, Film, etc.



## NANO KOREA Industrialization Session

Industrialization Session is a specialized program that looks at future technology product trends and promotes exchange and cooperation between demand companies and technology providers. In 2020 offers an opportunity to look at the industrial use of nanotechnology in the areas of energy-environment, material chemistry, electronic-display and bio.



※ 2020 Main Topic : Flexible Display

## Business Program

NANO KOREA opens up new opportunities for successful business. It operates professional business programs tailored to different purposes such as product and technology transactions, joint research and development, investment attraction, and more. It has also invited many domestic and overseas buyers to create optimized business environments. Please come and join our NANO KOREA business programs to create practical business outcomes.

### VIP Technical Tour



Company Executive ↔ Exhibitor

### Nano Tech Connect Matching program



Demand Company ↔ Supply Company

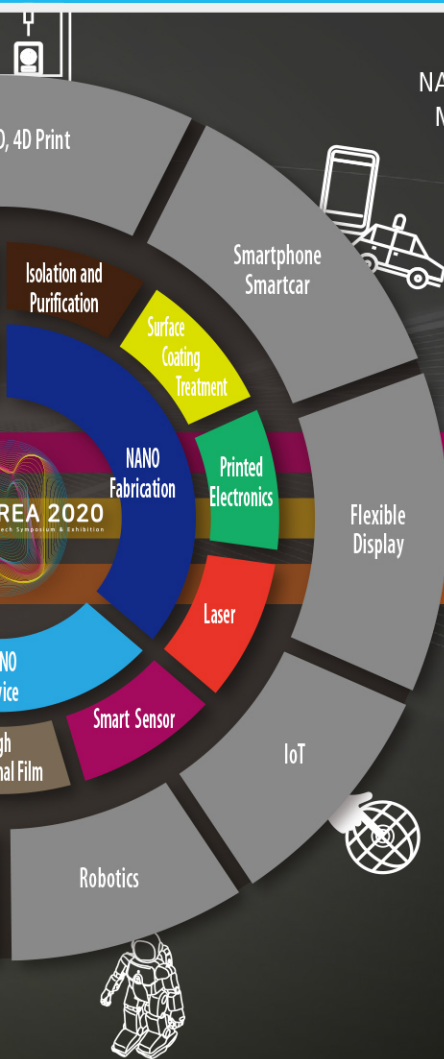
### Research Frontier



Patent technology ↔ Company



# cept & Line-up



NANO KOREA incorporates six exhibition in total, which cover all the cutting-edge nanotechnologies such as MicroNanoSystem, Adhesive-Coating-Film, Laser technology, Advanced Ceramics, Smart Sensor. Through this, it is a representative convergence technology exhibition in Korea where you can see various new technologies and new materials required by the future industry. Please participate NANO KOREA and experience the convergence-business with the future industries.

## The 11<sup>th</sup> Laser Korea Exhibition

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)

**Organized by** Korea Society of Laser Processing, Nano Technology Research Association

**Exhibit categories** Laser oscillator, laser processing technology and equipment, measuring and analysis instruments, medical laser, etc.



## The 10<sup>th</sup> Advanced Ceramics Exhibition

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)

**Organized by** Korea Fine Ceramics Association, Nano Technology Research Association

**Exhibit categories** Ceramic material, electric/electronic/optical ceramics, mechanical ceramics, highly functional glass, ceramic processing equipment, etc.



## The 5<sup>th</sup> Smart Sensor Exhibition

**Hosted by** Ministry of Trade, Industry and Energy (MOTIE)

**Organized by** The Korean Sensors Society, Nano Technology Research Association

**Exhibit categories** Automobile, smart robot, smartphone, personal health care, wearable, etc.



## NANO KOREA Symposium

As Korea's largest global nanotechnology event, NANO KOREA gives you an opportunity to see the latest results of nanotechnology research all in one place. This year's NANO KOREA Symposium will be held with 150 domestic and overseas renowned scholars (including Nobel Prize Winner) and professionals, under the key theme of Nanomaterials, the Building block for the future. Please come and experience today's advanced nanotechnology and tomorrow's trends.

### Keynote Speakers



Current advanced nanotechnology and the outlook for its future

### Plenary Speakers



Discussion on current major nanotechnology and development strategies

### Topic & Technical Sessions



Presentation of latest research results in the US, Europe, Asia, and more

※ Plenary & Keynote Speakers : Sir Fraser Stoddart(Northwestern U.,USD : Nobel Prize in Chemistry), Prof. Shuji Nakamura(UC Santa Barbara, USA : Nobel Prize in Physics)

## Seminars and Workshops

There are various opportunities to highlight the current status and issues of the future of nano-based future convergence technology, and future trends.

Event	Topic
MNS KOREA Symposium	Outlook for industrial application trends in MEMS technology
Smart Sensor Technology Workshop	Current internal and external high-tech sensor technologies and the outlook for the future industrial applications
Nano Industry Forum & R&D Strategy Presentation	Promote technology exchanges and collaboration among the industry, academy, research institute in the nano field and explore on-site demands
International Adhesion & Coating Conference	The future view of Adhesive, coating and film Industry technologies





# Why NANO KOREA?

1

## 6 High Technology Convergence Platform

- Through the joint hosting of a total of six high-tech industrial exhibition including nano, MEMS, adhesive·coating·film, laser tech, advanced ceramics and smart sensors, it will push for technology convergence between industries and business revitalization.
- It is possible to find new demand companies and buyers through visitors from various industrial fields.



2

## Learn Newest Industry Trend

- In NANO KOREA 2020, 'Flexible Electronics' is the main theme. It will show the latest technologies such as Folderble, Rollerable and Wearable.
- A lot of people who work in related industries will visit to NANO KOREA 2020, also special program will be operated.



3

## Experience 3 Special Exhibits

- Nano Eco : Nano cellulose, eco-friendly materials and components
- Nano Energy : Secondary cell, Fuel cell, solar cell and etc.
- Nano Printed Electronics : Devices, materials and components related with printed electronics
- Companies have technologies and products in each fields can exhibit in special pavilion.



4

## 40 Countries Network

- There are over 10 national pavilions in NANO KOREA, such as United States, Germany, Japan, China, etc.
- This exhibition is attended by nano technology experts, investment institutions and buyers from 40 countries.



5

## Meet Korean Major Companies





## Application Information

- Early Bird(A) : Until December 13, 2019(12% Discount)
- Early Bird(B) : Until February 28, 2020(10% Discount)
- General : Until April 30, 2020 ※ Closed when booths are not available

## Participation Fees



(Unit : USD)

Division	Early Bird A(~'19.12.13)		Early Bird B(~'20.2.28)		General(~'20.4.30)	
Booth Type	Shell Booth	Raw Booth	Shell Booth	Raw Booth	Shell Booth	Raw Booth
Company	2,376	1,936	2,430	1,980	2,700	2,200
Company(Membership), University, Laboratory and others	2,112	1,760	2,160	1,800	2,400	2,000

## Exhibit Categories

Categories	Contents
N a n o	<b>Nano materials</b> Nanopowder, bulk material, composite material, new material, etc., where nanotechnology is applied Nano raw materials (nanopowder, nanowire, laminar nanomaterial, nanoporous material, carbon material, metal material, etc.) Nanoprocessed materials (nanodispersions, nano liquid coating, nano ink, nanotextile, etc.) Nanocomposite (bulk-type nanocomposite, nanostructured material, nano-multilayer material, etc.), nano biomaterial, photonics material, etc.
	<b>Nano devices</b> Semiconductor, memory, chip, sensor, etc., where nanotechnology is applied Semiconductor devices (memory, logic, optical devices), sensor (mechanical sensor, chemical sensor, biometric sensor), display devices (LCD, OLED, Backplane, Touch), energy devices (second battery, fuel cell, solar cell), bio (bio sensor, DNA chip, lab on a chip), etc.
	<b>Nano Fabrication Technology</b> Microprocessing, dispersion, and manufacturing equipment to manufacture nanopowder Nanomaterials manufacturing and dispersion equipment/parts, nano patterning equipment, nano-thin film coating systems, highly precise array (optical, electronic parts), printed electronics (inkjet printing, lithography, nano imprint), etc.
	<b>Nano Evaluation &amp; Measurement</b> Nanoscale measurement and performance analysis technology and equipment Electron microscopes (SEM, TEM), scanning probe microscopy (AFM, SPM, STM), particle size analysis, performance analysis and experimental equipment, measurement/analysis services, design, simulation software, etc.
	<b>Application Areas</b> Nanotechnology combined products and technologies in each industry Automobile (ultralight, high-strength carbon composites, EMI shielding composite, antibacterial filter, automobile heating film and seat, electric vehicle battery, nanoporous silica tire, etc.), display (flexible display, touch screen, nano coating material, etc.), electronics (quantum dot LED, electronics heating film, radiation film, EMI shield film, etc.), shipbuilding (special nano paint for ships, carbon fiber composite material, structural frames for a ship, etc.), bio (nano-diagnosis/nanomedicine, nano-biomaterial, implant, diagnostic apparatus, analyzer, medical consumables, etc.), agriculture and fisheries (nanofunctional food, feed/fertilizer/pesticide, etc.), household items (nanocosmetics, nano home care products, etc.)
	<b>Others</b> Government-funded institute, relevant organization, R & D center, university, etc.
MicroNanoSystem	Microsensor, wearable device, actuator, optical application module, semiconductor processing equipment (deposition, patterning, etching), etc.
Adhesive, Coating and Film	Adhesive, Chemical Equip, Waterproofing, Paint, Coating Materials, Nano Product, Film, etc.
Laser	Laser oscillator, laser processing technology and equipment, measuring and analysis instruments, medical laser, etc.
Advanced Ceramics	Ceramic material, electric/electronic/optical ceramics, mechanical ceramics, highly functional glass, ceramic process/equipment, etc.
Smart Sensor	Automobile, smart robot, smartphone, personal health care, wearable, etc.

## Booth Information

Shell scheme booth	Raw space booth
 <ul style="list-style-type: none"> <li>■ Exhibition area(3mX3m) will be provided.</li> <li>■ Items to be provided               <ul style="list-style-type: none"> <li>- Booth walls, signs, floor carpets</li> <li>- Information desks + foldable chairs + trash bins (regardless of the booth scale, 1set will be provided per participant)</li> <li>- Sockets(2 units) + 1kW power supply</li> </ul> </li> </ul>	 <ul style="list-style-type: none"> <li>■ Only the exhibition area will be provided. Participants(Exhibitors) have to design and construct the booth.</li> <li>※ More than 2 booths should be requested</li> </ul>