Where the **Creative Things** are!

Since 1969
KES 2016
Oct. 26(Wed) ▸ 29(Sat)
www.kes.org

ENGLISH

KOREA ELECTRONICS GRAND FAIR

October 26(Wed) ▸ **29**(Sat), coex

Host MINISTRY OF TRADE, INDUSTRY & ENERGY

Organizers KOREA ELECTRONICS ASSOCIATION | KOREA SEMICONDUCTOR INDUSTRY ASSOCIATION | KOREA DISPLAY INDUSTRY ASSOCIATION

Sponsor KB Kookmin Bank

2016 Korea Electronics Grand Fair(KEGF)!

Korea Electronics Grand Fair(KEGF) 2016, where wonderful world created by future oriented creative thinking and innovative IT technology and state-of-the-art technologies are shown, finally opens under the theme "Where the Creative Things Are".

In addition to the state-of-the-art product with global competitiveness including smartphone, EVs, massive amount of creative convergence products that will promote win-win cooperation in new electronics industry including drone fighter with which fight in the air is possible, excavator and railway VR simulator, IoT smart home appliances will be released.

- Event title : **Korea Electronics Grand Fair(KEGF) 2016**
- Date : October 26 (Wed) to 29 (Sat), 2016
- Venue : Coex Hall A~B(1F), C~D(3F)
  - KES(Hall A, B1), Smart Factory & Biz Expo (Hall B2), SEDEX(Hall C), IMID(Hall D)
- Theme : Where the Creative Things are!
- Exhibitors : Approximately 760 companies from 21 nations
- Visitors : about 60,000 (including 3,500 international buyers)
- Exhibits : cutting-edge IoT Platform, information technology, semiconductors, displays, electronic parts, software, 3D, broadcasting equipment, vehicles, etc.
- Conferences : 30 conferences, including Opening Keynote, workshops on future broadcasting equipment technology, IEEE/IEIE ICCE-Asia, Semiconductor Environment Forum and 3D Printing Experience Seminar for New Industry Frontiers.
- Business meetings : Business meetings : Global buyers from 21 countries, including the US, Italy, China, countries in the Middle East, Vietnam, India, and Japan, will hold business meeting with Exhibitoris.
- Host : Ministry of Trade, Industry and Energy
- Organizers : KEA, KSIA, KDIA

KEA

Kwon Oh-hyun, Chairman

KSIA

Park sung-wook, Chairman

KDIA

Sang-Beom Han, President&CEO

Distinguished guests from electronics and IT industry, Good morning.

I would like to share the moments with you all upon the opening of 'Korea Electronics Grand Fair(KEGF)' that is becoming a robust springboard towards the future of electronics and IT industries. Also, I would like to pay special tribute to those making great contribution to electronics and IT industries, celebrating the 'Day of Electronics and IT.'KEGF is marking the 47th anniversary this year and it has been serving as the center of international exchange in electronics and IT industry with participation of so many experts and professionals from nations around the world.

This year, more than 760 companies from 21 nations come to join KEGF to honor the 47-year history of the greatest electronics and IT Expo in Korea and present the latest products in convergence of culture, IT and technologies. At the same time, it will be a meaningful opportunity to review the present and future of electronics industry and meet with the source of energy to lead and support growth of the nation.

Expecially, this year, the event will be hosted alongside with "Smart Factory & BIZ EXPO" to seek "mutual growth of big enterprises and SMEs." More than 30 special seminars and exhibition halls will be arranged under the theme Automobile Convergence Alliance, VR Training Simulation System, and IoT, 3D Convergence/Printer to offer extensive view over the trend and eco system of electronics and IT industry at single glance. "Opening Keynote" will be the platform to introduce future strategic technologies of electric vehicle and IoT where the latest electronic and IT technologies in convergence with other industries guide us to future life style.

Distinguished guests from Electronics and IT industries and ladies and gentlemen,

I would like to express my deepest gratitude for the hardwork and dedication of electronics industry to keep increasing export and expanding overseas markets, despite turbulent environments both home and abroad with global economic slowdown in major economies like US and Europe and formidable chase by Chinese products.

Based on the world's No. 1 technologies in semiconductors, smart phone and home electronics, electronics industry of Korea is going smart, at the fastest speed among leading manufacturing industries and is expected to be the flagship to drive dissemination of the trend into other industries.Espeially, joint use of IoT-based platforms and cooperative eco system for big enterprises and SMEs will be the key to success of IT convergence and facilitation of new industries. The world is already moving around data and the era of super connectivity where real and virtual worlds symbolized by connectivity of people and devices, intelligence, data and service is wide opening. The 4th Industrial Revolution is coming where real world and virtual space on the Internet are connected via networks and analysis and utilization of accumulated data and automated control are becoming reality. Numerous changes signal the full-scale advent of the '4th Industrial Revolution' including IoT, robotic engineering, 3D printing, big data and artificial intelligence.

I have no doubt all the participants in electronics industry will make success story of their own to create new chapter of the industry, and would like to take this opportunity to ask all of us here today to renew the commitment to opening and driving new era of electronics and IT industry. Also I hope Korea Electronics Show will offer valuable opportunities, as a stage of global business to strengthen cooperation among nations and companies around the world.

Lastly, I would like to express my sincere gratitude to all of you from the Ministry of Trade, Industry and Energy and related institutes and to every individual working in the field for your hard work and dedication for advancement of electronics and IT industries.

Thank you.

1969 The 1st Korea Electronics Show

In line with the enactment of the Electronic Industry Promotion Law, 'Korea Precision Machinery & Equipment Center (the predecessor of the KEA) held the first Korea Electronics Show on January 28, 1969. The KES was designed to help the government to draw up an 8-year roadmap for the promotion of the electronics industry and to achieve a USD100 million export/target in1971. The 1st KES displayed black and white TVs, radios, speakers, condensers, etc. for eight days at the National Publicity Hall near the Duksoo Palace. Substantial achievements were made at the KES: 63 technological negotiations and 25 business discussions.

1976 Yeouido Era and Establishment of KEA

In 1972, the KES featured business transaction talks over USD 10 million deals and displayed color TVs for the first time. In 1973, coupled with a computer show, the KES transformed itself into a stateof-art exhibition. In 1976, KES was held at the Yoido Exhibition Center.
In the same year, the KEA started to participate in holding the KES.
About 138,000 visitors came to the 7th KES in 1976, and deals worth over USD100 million were put on the negotiating table. Thanks to the KES, participating companies won deals worth US$200 million in 1977 and worth USD 300 million in 1978.

1979 COEX Era and KES

In March 1979, the KEA took over from the previous exhibition organizer, the Korea Precision Machinery & Equipment Center (KPMEC). As a result, the KEA became the new organizer of the KES. Following the change, the KEA wound up the Yoido era and opened a new era at the Convention & Exhibition Center (COEX) in Seoul.

1995 Launch of the Local Electronics Shows

In 1995, the KEA held the first local electronics show in Busan independently from the KES. The local show was held in order to lay the foundation for the development of the electronic industries in noncentral areas.
The successful local show helped S. Korea's world-class electronics industry leave a strong impression on not only the local community but also 80,000 visitors.

1999 Opening of Semiconductor Exhibition

Korea Semiconductor Industry Association held the First Semiconductor Exhibition to make a venue for promotion and marketing on localization of semiconductor industry at a time when prolonged economic recession was overcome and economy shoed signs of recovery. The three-day Semiconductor Exhibition was opened with a big success with the participation of 79 semiconductor companies including Samsung Electronics and Hyundai Electronics.

2000 Korea electronics show, "It's a Digital World"

The rapid development of information communication technology, based on the digital technology evolution in 21st century, accelerated technological convergence. As a result, the IT industry needed a new paradigm. 2000 The KES presented various products under the theme, "It's a Digital World." The digital multimedia products, which created new styles and cultures, ultramodern information and communication devices that ushered the nation into the era of the Internet, and many other newest technical products were displayed at the show.
More than 170,000 visitors, including 5,000 buyers, visited the 2000 KES making the KES the most important event and ambassador for the Korean electronics industry.

2001 Opening of IMID Display Exhibition

As the greatest display producer in the world, Korea Display Industry Association (KDIA) and Korean Information Display Society(KIDS) organized 1st IMID Display Exhibition in 2001 to support the display industry export and improve the national image by holding a professional display exhibition for the international status

2005 Korea Electronics Show 2005 (Advance to the Future)

Korea Electronics Show schedule was linked with famous electronics shows in Northeast Asia (Japan, Taiwan, Hong Kong, etc.) to make foreign buyers easily visit Kore Electronics Show. As a result, 550 companies from 18 countries participated in the show and 210,000 visitors including 6,000 foreign buyers visited the show. The show became a true international exhibition by inviting Nobel Economics Prize winner professor Edward Prescott(Arizona University, US) as a keynote speaker. From Korea Electronics Show 2006, the show has been held along with "Day of Electronics" that marks 100 billion dollar in export. It has become a global market leader which advertises domestic electronic and IT industry that leads the market. In addition, Chinese semiconductor foundry companies including SMIC, GSMC and HH_NEC participated in the 2005 I-SEDEX for the first time laying the foundation for the exhibition to become an international-scale event.

2008 Launch of the Korea Electronics Grand Fair in 2008!

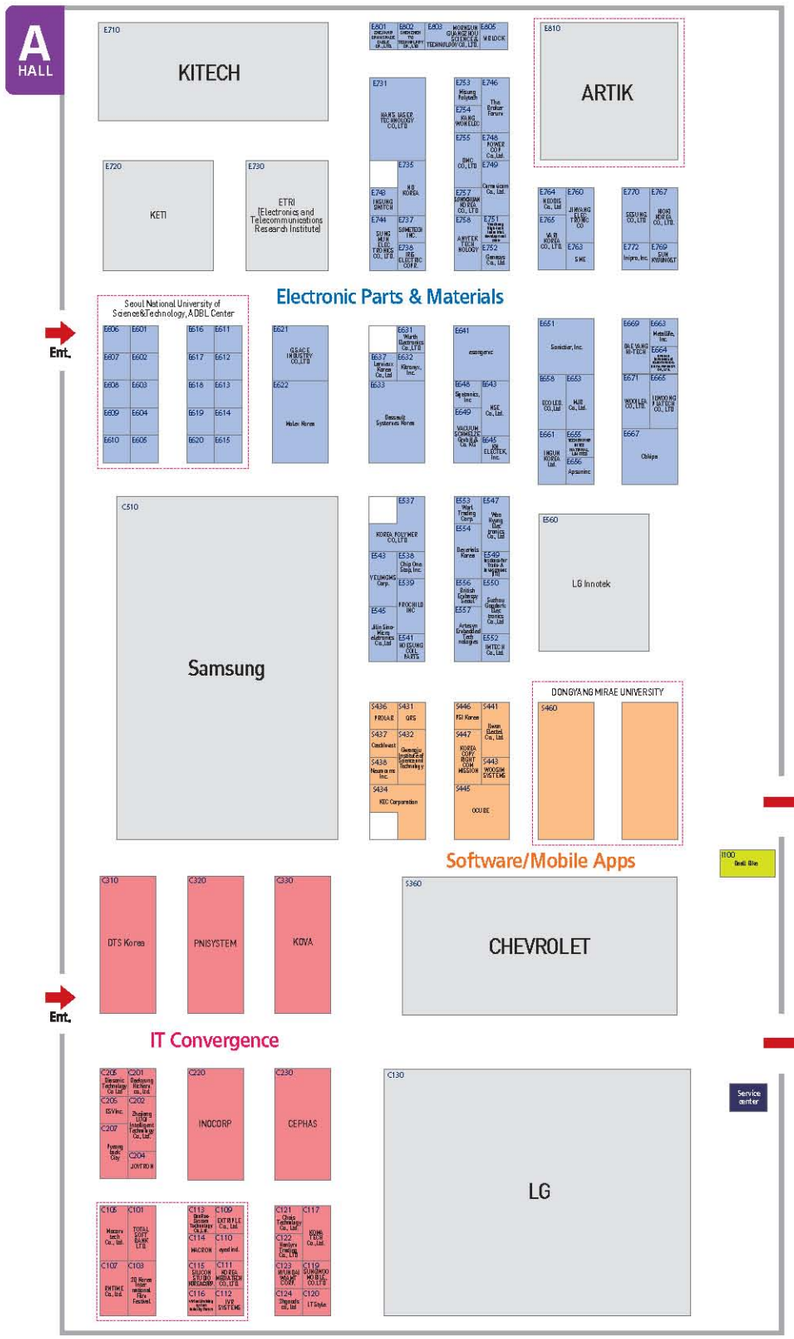
Joint holding of KES, SEDEX and IMID for the first time in electronics IT industry was an opportunity to announce the world-class large scale exhibition.

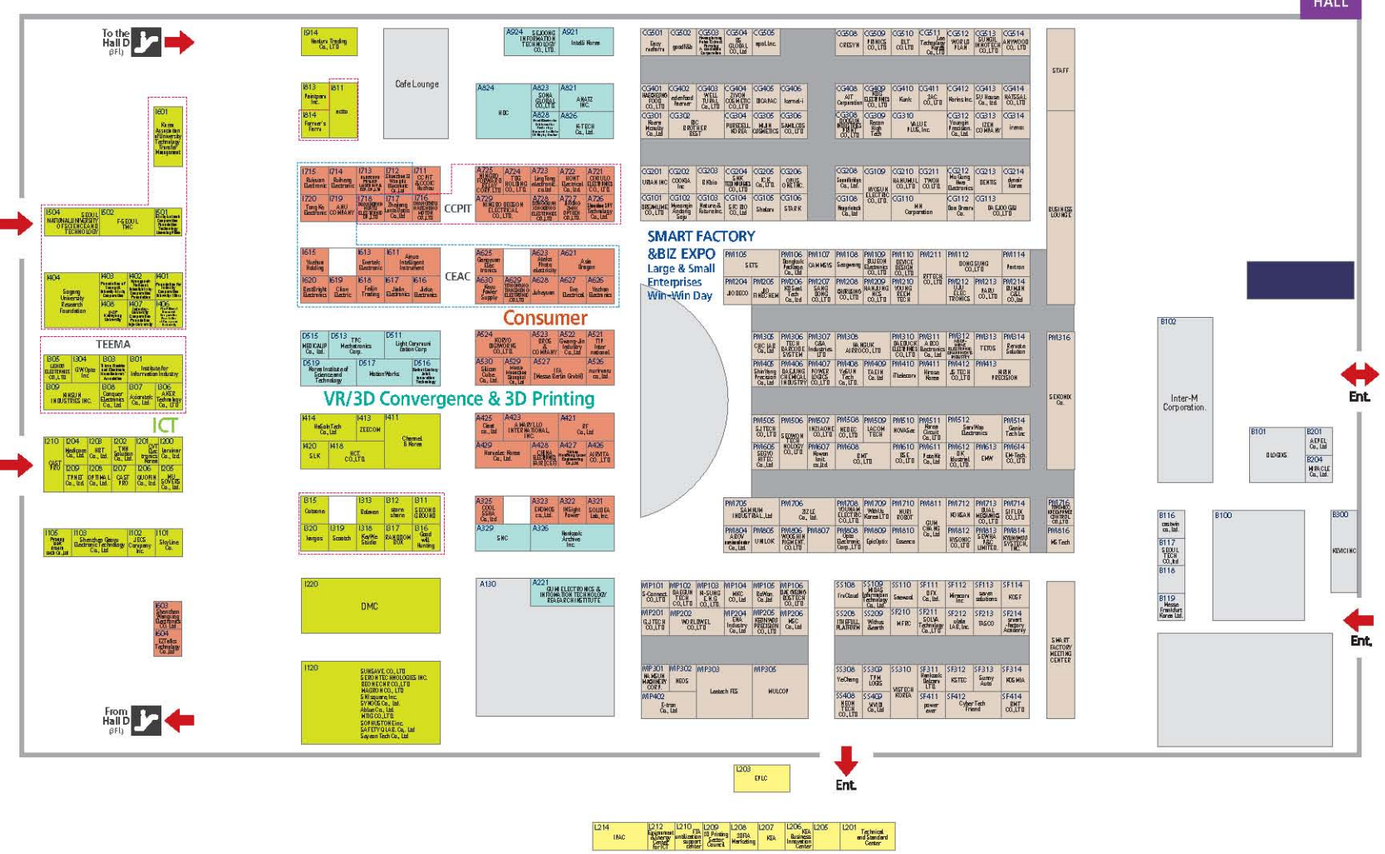
2009 40th Anniversary of Korea Electronics Show in 2009

The 40th Korea Electronics Show 200, which was held in KINTEX, Ilsan under the slogan that "You will be the first witness who meet the future" provided not only various things to watch including wearable IT fashion show where people appeared with wearing IT products, information home appliance, IT, convergence, semiconductor and display but also shows products that imply the future market trend including automobile crash prevention system, 3D display, green PC room, 3D endoscope, digital broadcasting devices attracting eyes of visitors and buyers. Despite economic recession, Samsung Electronics, LG Electronics, NISSAN Automobile,Murata, Epson, 3M, HP and other multinational companies and high tech companies in 3D, eco-friendliness, game broadcasting system participated making people have interest in future R&D and investment. In addition, Japanese Ulvac, which is world's No. 1 in sputter that is core equipment for semiconductor, US company Atmel which is ranked at No. 2 IN EEPROM market, and US company Yarde Metals which leads instrumentation market participated in SEDEX to elevate the status of the event.

2015 Korea Electronics Grand Fair

The 46th Korea Electronics Show became a venue for festival with experience based IT technology verification and various cultural contents including the performance of 306° VR contents and rock band using Korean type A/V system. The show elevated the status of it by organizing exhibition pavilion filled with IT contents including parts, material, equipment, wearable mobile device, 3D printing, flexible, medical equipment convergence product providing an opportunity for visitors to look at trees from the root to the fruits of electronics IT industry at a glance. In addition, the show presented the potential of products from small and medium sized companies who are leading the trend in various theme-based pavilion including 3D convergence & 3D printing pavilion, industrial convergence pavilion and premium home appliance pavilion. At the Semiconductor Exhibition, domestic companies exhibited their excellent export performance marking the fact that semiconductor industry recorded export volume of 60 billion dollars as a single product for the first time in history.





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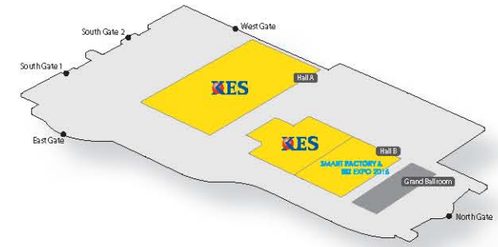

SEDEX

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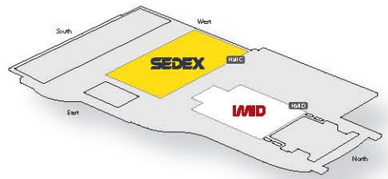

iMiD

www.imidex.org

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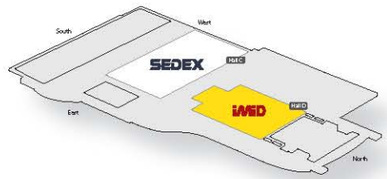
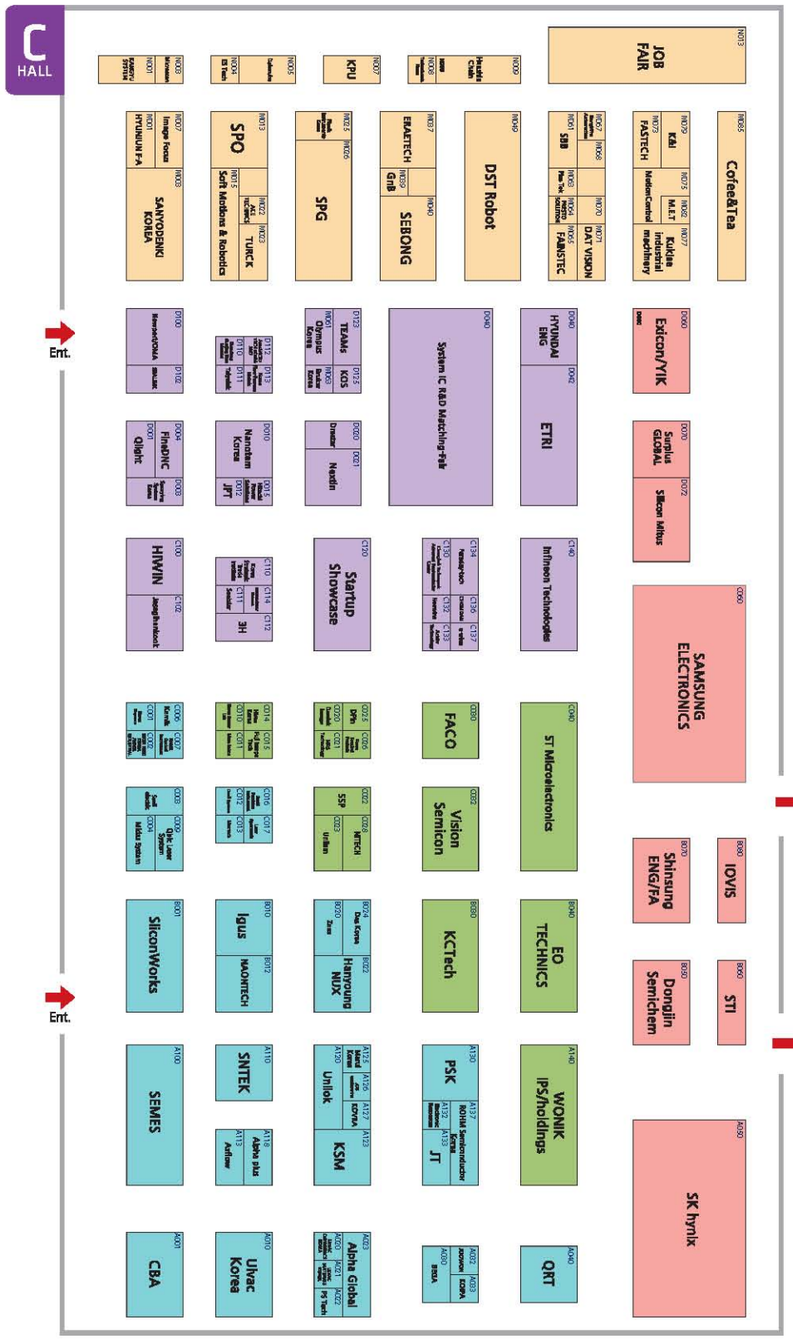
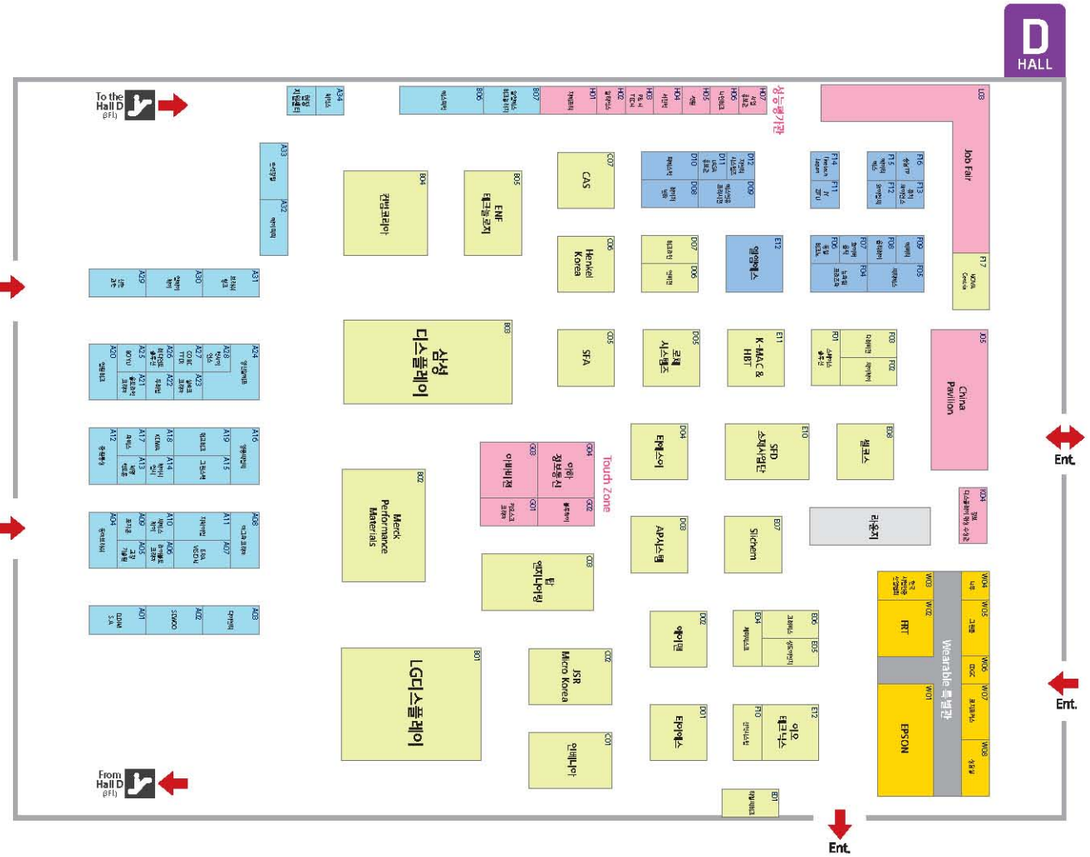






3 Key Issues of 2016 Korea Electronics Show

01 Opportunity for Mutual Advancement of Large Enterprises and SMEs – Smart Factory & Biz EXPO!

- **(Smart Factory & Biz EXPO)**, hosted by Ministry of Trade, Industry and Energy and co-organized by Korea Commission for Corporate Partnership, KBIZ, Korea Smart Factory Foundation and Samsung Electronics, is aimed to support SMEs exploring sales channels by leveraging network and infrastructure of large enterprises, to ensure mutual growth of big enterprises and SMEs. It is expected to be attended by 180 companies, including those at the forefront of opening new path of innovation with smart factory foundation and venture companies, nurtured by Daegu & Gyeongbuk Center for Creative Economy & Innovation.

Smart Factory & Biz EXPO

- Diverse range of products including finished products, parts and S/W will be introduced and Exhibitors will be granted with opportunities to expand sales channels and investment. With the support of Samsung Electronics employment support center for younger generation, companies experiencing resources shortage will be provided with opportunities for talents recruitment.
  Associated companies, participating as Visitors can have consultation for smart factory for smart manufacturing innovation to ensure substantial support for as many companies as possible.

02 Creative IT Convergence, to Tear Down Barriers among Industries

Automobile

At the Automobile Convergence Alliance Pavilion, 3 cars; Cony Cars, the EV developed with Korean technologies , self-driving car of the research institutes (Santa Fe), tuning EV (Sonata) will be displayed. **Also Chevrolet, the global car brand** will unveil Chevrolet Bolt, the EV participating in the leading ICT EXPO in Asia and boasting the range of 380km on single charge (the highest range level in the industry) along with innovative IT convergence technologies.

IOT

At ARTIK Pavilion, co-organized by Korea Electronics Association and Samsung Electronics, the works of the top 10 teams from the final round of **"IoT Innovation Challenge"** will be displayed. "IoT Innovation Challenge" was held to build innovative IoT platform-based business model and develop applicable products and services in diverse fields of smart home, health care, environments/energy, public/safety, financial industry and smart cars, leveraging ARTIK, IoT platform of Samsung Electronics. The event is expected to suggest IoT-based convergence models of eco system.

03 "Venue for Industry-Academia Technology Cooperation" to Explore Present Opportunities and Secure Future Potentials

University Technology Pavilion

University Technology Pavilion has been organized by Korea Association of University Technology Transfer Management(KAUTM) 4 years in a row and among the universities participating in 2015, Kwangwoon University, Kei Myung University and JoongAng University succeeded in signing business deals. This year again, it will be a venue for creative cooperation among Industry-University-Research to match research outcomes with industry needs as 600 undisclosed basic technologies will be introduced by 25 leading universities in electronics and IT sectors.

Kwangwoon University

Kei Myung University

JoongAng University

DongYang Mirae University

The university is emerging as a hub of global vocational education with 50-year traditions and strong reputation and this year, it will display the works of students with various majors, to represent their department and contribute to commercial development of idea products and students' employment.

Seoul National University of Science & Technology

Talents Nurturing Project to Find 21th Century Da Vinch is a convergence project of Department of Mechanical System and Design Engineering and Department of Electrical & Information Engineering of the university and has been winning 56 prizes and awards, including 2 presidential awards, 5 ministerial awards and 5 awards from overseas. It will offer quality works of students, developed based on All-semester Design Based Learning (ADBL).

Hanyang University ERICA

Hanyang University ranked No.1 4 years in a row among 15 universities in Leaders in Industry and University Cooperation (LINC) program. LINC unit of Hanyang University builds a Pavilion together with 11 companies including SNI Square, the developer of the world's first interpretation appcessory, running on the bluetooth, leveraging innovative technologies.

How to Enjoy the Korea Electronics Grand Fair(KEGF) 2016 to the fullest!

The Korea Electrnoics Grand Fair(KEGF) 2016, the nation's largest electronics and IT exhibition that offers a bird's eye view of the close-knit electronics and IT industry, from the upstream segment(e.g. parts, materials and equipment to the downstream segment, multimedia, ICT, Display, Semiconductotr, software, mobile and smart convergence).

S. Korea's largest arena for cutting-edge electronics and IT products, manufactured by companies in and outside S. Korea!

S. Korea's largest feast of interesting products and whizzy new technologies!

The rallying point for both industry and academia: the KEGF facilitates a virtuous cycle of demand and supply

For those who don't have enough time to see every nook and canny of the KEGF 2016, we have prepared a list of must-sees at the KEGF 2016.

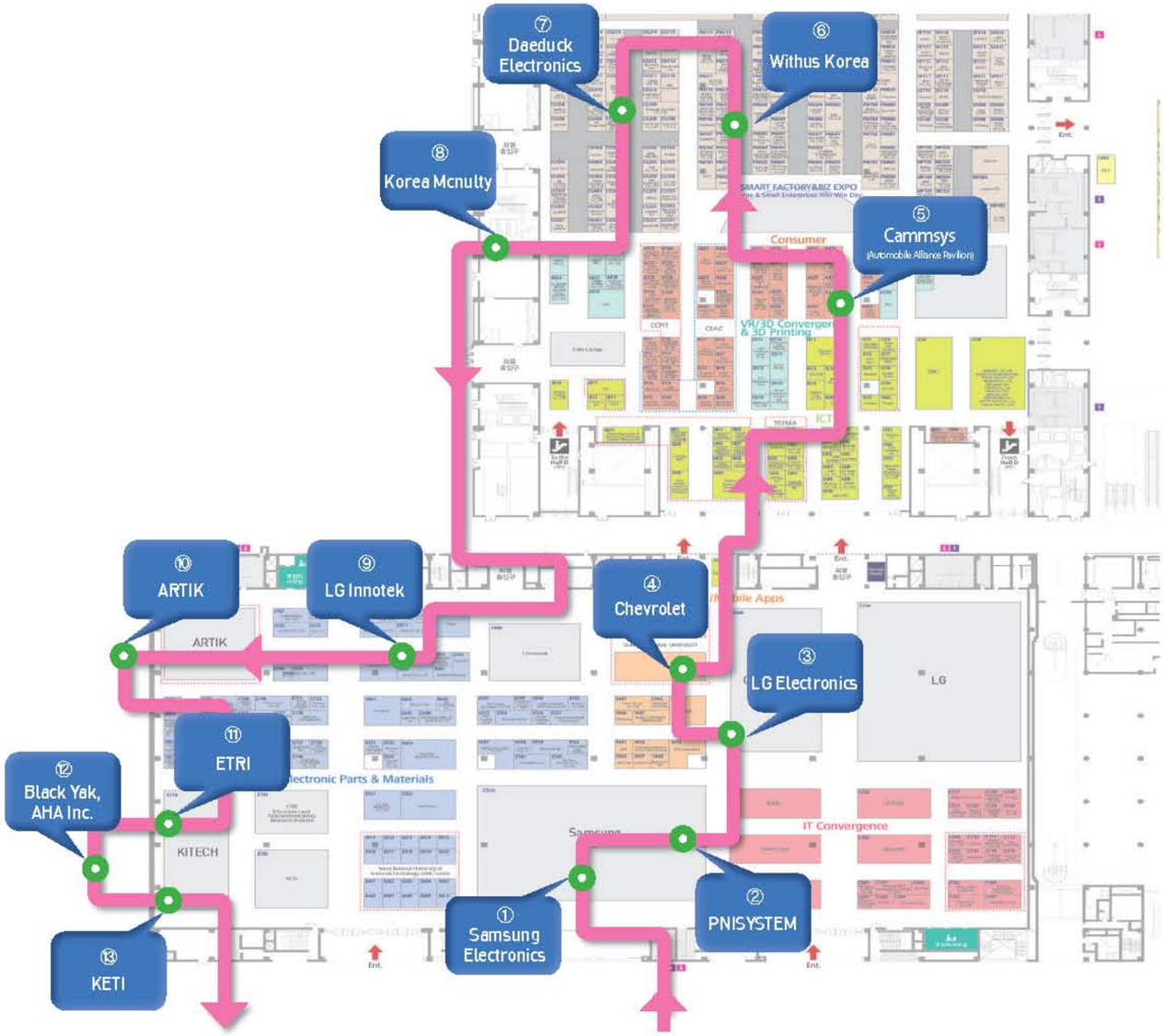
Course 1.

What catches the eyes of VIPs at the KES 2016? Let's follow their footsteps!

What catches the attention of VIPs the KES 2016? VIPs with hectic work schedules are well aware of things that must be seen at the KES The following VIP tour course introduces the KES's must-sees, from world-first products to the word's best technologies.

VIP Course

①Samsung Electronics(C510) → ②PNISYSTEM(C320) → ③LG Electronics(C130) → ④Chevrolet(S360) → ⑤Cammsys(Automobile Alliance Pavilion)(A130) → ⑥Withus Korea(PM709) → ⑦Daeduck Electronics(PM310) → ⑧Korea Mcnulty(CG301) → ⑨LG Innotek(E560) → ⑩ ARTIK(E810) → ⑪ ETRI(E730) → ⑫ Black Yak,AHA Inc.(E710) → ⑬KETI(E720)



① Samsung Electronics

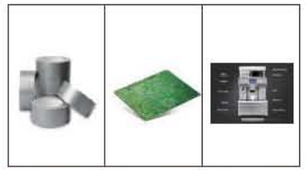
SUHD TV: Applying the latest quantum dot display technology, the product delivers almost 100% color representation and HDR 1000 in fancy design, looking great from 360° all around Gear S3 : Delicate analog design, with strap and watch face to complete traditional look of a watch, delivers dynamic look of a watch, Innovative circular bezel UX ensures diverse functional arrangement, IP68 waterproof and dust-proof function and is certified to meet U.S. Defense Department durability standards (MIL-STD-810). Family Hub : Food Alarm to let users monitor contents inside the refrigerator real time Silky Calendar to share schedule with family Food Recipe with audio instruction while board to exchange handwriting messages Kitchen TV to show the image on the living room TV screen

② PNISYSTEM

Aky Attraction(VR Simulator) 6-axis full motion VR simulator It moves down to the floor for users to get on and goes up to the mid-end position for them to enjoy the largest stroke VR simulator in Korea

③ LG Electronics

V20: World's first smart phone with Quad DAC, offering the best smart phone sound in collaboration with the premium audio 'B&O Play' World's first wide-angle camera both front and back, installed with Hi-Fi recording SIGNATURE (Refrigerator) Adopting transparent magic face, becoming a fridge like a work of arts (Laundry machine) Designed by Torsten Valeur(F) LED TV) The best resolution and sound quality Ultra Wide Monitor : World's largest 21:9 monitor, WUHD display IPS x's RGB to deliver almost 100% true natural color All-rose 190cm wide screen with 2300R gentle curve



⑥Withus,⑦Daeduck,⑧Mcnulty

Withus Korea: 25-year experiences in manufacturing adhesive tape, other skin-friendly adhesives, with the only integrated production system in production, exciting to flexible packaging solutions, partnership with 100 partners in 31 countries in Europe and Southeast Asia Daeduck Electronics: The first developer in Korea of Dual-side PCB(PCB), multi-layer PCB(PCB) Development of High multi-layer PCB for telecommunication devices, build-up PCB formable layouts, Embedded Memory semi-conductor thin film CSP, flip chip CSP for AP, high multi-layer MLB for telecommunication devices, RF/Digital/Sensor Module PCB Korea Mcnulty: Based on expertise and know-how of the company with Plc, market share in Korea coffee bean market, offering quality new curry from all over the world at reasonable price and contributing to advance coffee bean, tea, coffee industry

⑤ Cammsys(Automobile Alliance Pavilion)

World's 2nd to provide MOD (Moving Object Detection), after Nissan, minimizing blind spot (with 4 cameras), Efforts being made to have the product be adopted as default option for commercial ad, specially manufactured vehicles, installed on special-purpose vehicles like fire truck or vehicles for children

④ Chevrolet

Pure Electric Vehicle Bolt EV: Chevrolet Volt runs up to 38.0 km on single charging, leveraging the latest green technology, the longest range in the industry and is expected to open the era of EV in full steam. EV with Extended Distance Volt: Based on the Range Extender, Chevrolet Volt is capable of running 676km at the max, being a symbol of EV technology.

⑨ LG Innotek

360-degree Camera Module: Video footage taken by two cameras to build up 360-degree full image Films taken by 360-degree camera can be seen as VR, using a smart phone to deliver real-life full immersive experiences Pulse Sensor(for IoT): Product to measure human blood flow with LED, that is applicable for wearable devices for medical check-up

⑩ ARTIK

IoT platform to enable IoT product development with addition of application S/W and set design ARTIK Module, Cloud, E2E solution and eco system included

⑪ ETRI

Technology to transmit/receive Giga-volume mega contents with no complicated procedures in close proximity (within 10cm) and offer 3.5 Gbps speed, 8,000 times faster than NFC, low power/low complexity technology applied

⑬ KETI

'Scanning Lidar' the core technology for self-driving to enable multi channel features with 'mirror scanning' and 'single laser', that are called the eyes of automated vehicles

⑫ Black Yak, AHA Inc.

Black Yak: Exercise impact monitoring, control of environments inside clothes, smart wear for night-time leasure activities AHA Inc.: Utilizing e-board and e-lecture desk, lecture/meeting/ information and notice board going smart in meeting room, conference room and classes

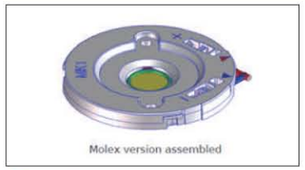
Course 2.

All the technologies that wowed the world

Who has won 2015 KES Innovation Awards that honor the most innovative products in three categories: new product, designs and content? Let's take a look at the award winners in three categories: the best new product category (whizzy new products or innovative products from consumers; point of view), the best design category (designs that aesthetically appeals to consumers and factors in product functionality) and the best content category (unique products born out of creative ideas)

KES Innovation Awards Course

①Molex Korea Ltd.(E622)→ ②Pro Lab(S436)→ ③Sungwoo Mobile(C119)→ ④MU Solvers(I201)→ ⑤Formers Farm(I814)→ ⑥Skyline(I101)→ ⑦Tech Works Plus(I220)→ ⑧Mogence Lab(I220)→ ⑨SeronTech(I120)→ ⑩SNI Square(A120)→ ⑪Homeelec Korea(A429)→ ⑫Solidea Lab(A321)



① Molex Korea

Designed in single mold, different from general two piece type to improve convenience with no need of assembly

② Pro Lab

- EDA program with PCB designing function to support circuit design and simulation and MCU emulation
- Enabling direct and fast system operation and easy to correct circuit errors, using source level debugging

③ Sungwoo Mobile

- Full aluminum body with 1.39kg weight
- Full size keyboard to ensure typing accuracy
- 7,000mAh high capacity embedded battery

⑥ Skyline

- Bluetooth low energy-based one touch activator device
- A click of smart button to activate home automation and smart phone apps

⑤ Former's Farm

- 2 way 1 nozzle type Metal Fabricated Dual Nozzle
- Improving quality of print by minimizing filament interference and oozing

④ MU Solvers

Product to support central and local broadcasting with single speaker

⑦ Tech Works Plus

- World's first adjustable system to change optical lens by lighting distance to improve efficience with customized lighting angle and spotlight distance
- Offering platform to project contents with image change

⑧ Mogence Lab

Interactive convergence space with immersive environments in cube shape where users learn and experience science principles in VR environments

⑨ SeronTechnologies

- Compact SEM module to improve convenience
- The only mini SEM in the market, running on super low accelerated voltage to allow users to observe surface structure in precision and offer the function of image observation without sample coating

⑫ Solidea Lab

- Smart toy consisting of wireless core module, cellular board puzzle, motor and app
- Experiencing diverse contents at reasonable price with reuse of MCO and motor

⑪ Homelec Korea

- Light-weighted, compact product to offer message function, using special motor
- Unibody with the cradle and comfortable handgrip to improve usability

⑩ SNI Square

- World's first appeasory for auto interpretation
- Voice recognition optimized for face-to-face conversation within 1m range, improving written translation accuracy
- Enhanced convenience and mobility with light weight

Course 3.

The First, the first, the First!!! What are the products and technologies first planned in Korea and abroad?

Let's take a look at inventive products and technologies that have raise the status of Korea in many industries such as wearable device, FinTech, and robots

The First, the first, the First!!! - oriented ICT Course

①BrilliantTS Inc.(E710)→ ②SONITIER(E651)→ ③Woohyung Electronics Co., Ltd.(E547)→ ④PROCHILD Inc.(E539)→ ⑤KEC(S434)→ ⑥RiaMore Co.(C330)→ ⑦DTS Korea(C310)→ ⑧Joytron Co.(C204)→ ⑨Chois Technology Co. Ltd. (C121)→ ⑩TPC Mechatronics Corp.(D513)→ ⑪PureCell Korea corp.(CG304)→ ⑫RF Inc.(A421)

① BrilliantTS Inc.

It is a new concept smart multi card to which the first independent technology on card/pay, and has a function of integrating up to 30 various cards such as credit cards, debit cards, membership cards into one card

② SONICTIER

The world's first software that can produce multi-channel audio contents fit for Korean UHD audio format (MPEG-H 3D Audio)

③ Woohyung Electronics Co., Ltd.

Launching SUNON cooling fan whose Atex is certified for the first time in Korea, developing and holding patents of Might Mini Fan as the first in the world "IP68 waterproof/dustproof fan" that can be used in external environments

⑥ RiaMore Soft Co., Ltd.

It is the first online design making platform in Korea, and it easily and quickly completes designs for info graphic, SNS, banner, poster and presentation by modifying and combining design elements sch as templets provided by anyone, photos, icons, and figures as well as graphic elements such as chart, and maker

⑤ KEC

It is a SSTR market-leading company (rated number 8 in the world), and the company specialized in power management & protection semiconductor, and the company made technology patent application concerning eco-friendly die-bonding as the first in the industry, produces a large capacity IGBT chip and launched a power module as the first in Korea, and has sold 30 million TVS products for mobile devices every month.

④ PROCHILD INC.

It is the first band device for motion recognition in Korea developed with a famous trainer, with functions such as smart switch using BLE for the first time in Korea, and alarm for diaper, etc

⑦ DTS Korea

The company is the world's best company specialized in sound The demonstration of DTS:X, a technology that maximizes immersion by using the next generation object-based audio technology, is scheduled Announcing new technologies such as DTS Headphone:X that realizes three-dimensional surround-sound with a headset or earphones as in a movie theater

⑧ Joytron Co.

It is the world's first multi-platform bluetooth game pad which perfectly supports vibration and up-to-date x input not only in a smart phone but also a PC, and one-touch attaching/detaching holder is applied to a game pad design whose controlling function has been examined for a long period.

⑨ Chois Technology Co. Ltd.

It is the first and the only domestically produced bluetooth type smart thermometer for temperature monitoring which is approved, and a high capacity green laser pointer of "X-pointer" with market share of more than 60% in the domestic market for RF wireless presenter for the first in Korea and abroad.

⑫ RF Inc.

It is a permanent magnet type window cleaning robot which has been successfully commercialized for the first time in the world, and it removed risks of falling, operates based on a battery without power line, and keeps attached without falling even the battery is dead.

⑪ PureCell Korea corp.

It effectively eliminates hidden wastes deep in pores, sebum, cosmetic residue, dead skin cells, and demodex folliculorum through the generation of anion steam by applying the world's first self-developed direct spraying type steam generator

⑩ TPC Mechatronics Corp.

The first 3D printer using color touch screen with hangeul graphic UI in Korea It was added with a function to reinforce user convenience, and can realize all imaginations It satisfies needs concerning industry, experts, education, and hobbies

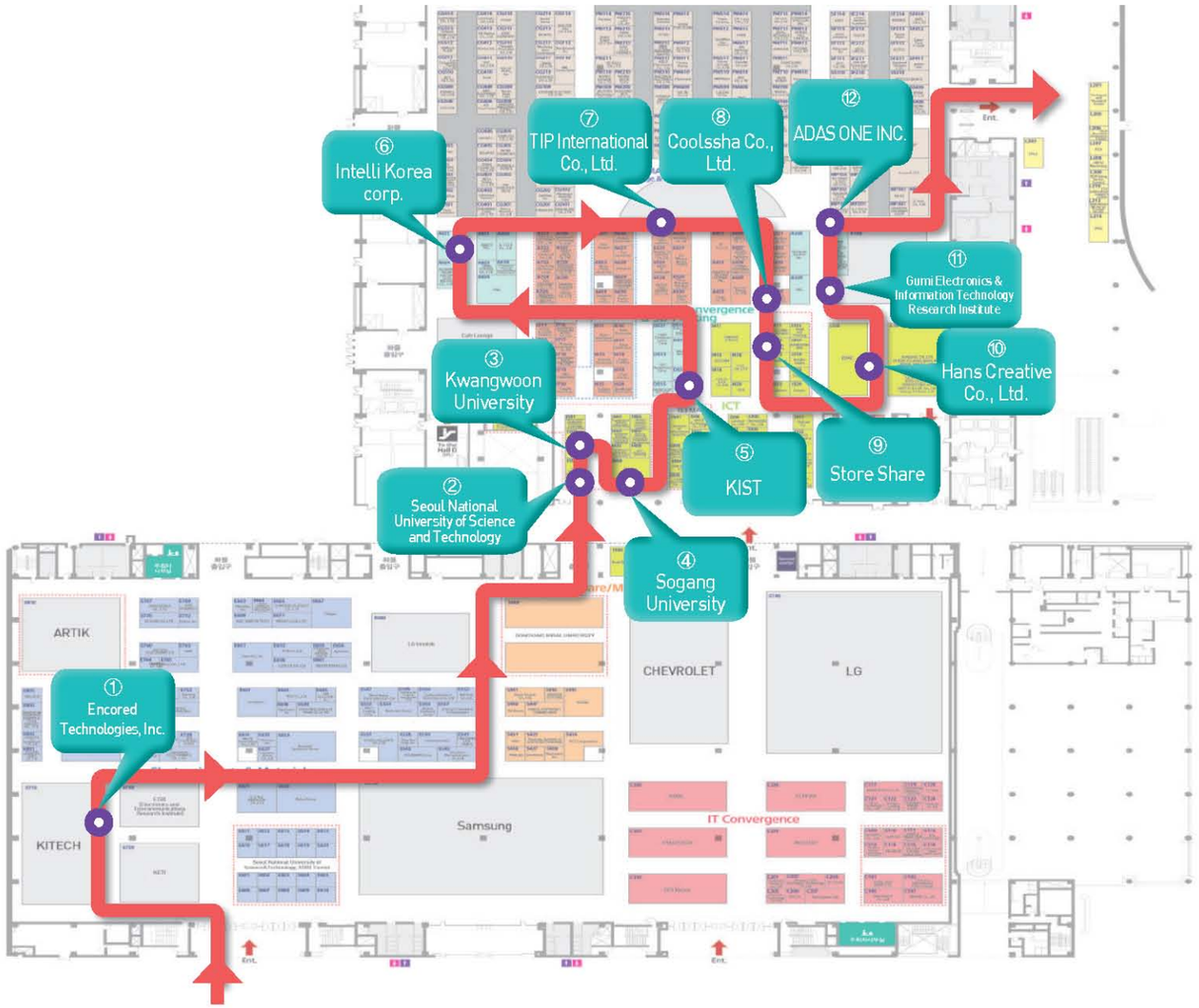
Course 4.

Playing Treasure Hunt

The KES is the only exhibition that can unveil both world firsts and domestic firsts under one roof. The KES helps us have a glimpse of how cuttingedge products would change our future. If you want to experience what a smart life era would be like and new information technologies electronics, the following tour course is for you. Your imaginations will become a reality in the near future.

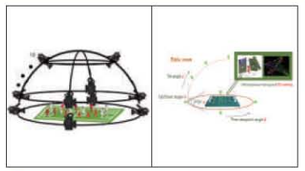
Money-Making & Future-oriented Course

①Encored Technologies, Inc. (E710) → ②Seoul National University of Science and Technology(I504) → ③Kwangwoon University(I502) → ④Sogang University(I404) → ⑤KIST(D519) → ⑥Intelli Korea corp.(A921) → ⑦TIP International Co., Ltd.(A521) → ⑧Coolssha Co., Ltd.(A325) → ⑨Store Share(I312) → ⑩Hans Creative Co., Ltd.(I220) → ⑪Gumi Electronics & Information Technology Research Institute(A828) → ⑫ADAS ONE INC.(A130)



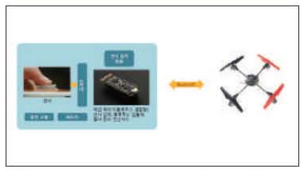
① Encored Technologies, Inc.

Enertalk Home which enables reasonable use of electricity is an IoT service that can manage electricity consumption of the entire house by installing one Enertalk device, by not only simply assessing electricity consumption of the house, but also predicting expected electricity charges, managing progressive phase, and assessing efficiency of home appliances



② Seoul National University of Science and Technology

Realistic image expression technology utilizing multi realtime image acquisition camera - Acquiring multi-view image through multi camera Developing free viewpoint imaging technologies by using a gesture recognition technology Image control and recognition technology using a depth control recognition camera



③ Kwangwoon University

Drone remote controller based on a wearable flexible board sensors - Manufacturing motion recognition technology device using pressure sensors and strain sensors based on 2D nano-electronic materials, and researching and developing remote controlling technologies that can remotely control a drone by using RF technologies and can be attached to human body

⑥ Intelli Korea corp.

CADian3D is the sole CAD made in Korea realizing the globalization of the domestic software, it is the only 3D modeler made in the country optimized for 3D printing, and easy to use and affordable

⑤ KIST

Non-glasses 3D whose key patients regarding observer tracking method and non-tracking method are registered Developing original technologies to resolve optical noise and decline of resolution of display. Resolving inconvenience of glasses-type 3D display.

④ Sogang University

Portable folding 3D printer - Anyone can easily fold or unfold this printer and it is possible to do 3D printing of components while unfolding the printer It is easy to carry with and it is convenient to use for equipment components as fast printing is possible

⑦ TIP International Co., Ltd.

It is a portable/car air cleaning ionizer made by applying the LED lighting technologies for biorhythm adjustment for the first in the world Applied patent technologies that can conveniently equip and remove the product on an air vent of automobile air conditioner is applied

⑧ Coolssha Co., Ltd.

It is an world's first automatic toothbrush with an international patent that enables both moving back and forth and sweeping down at the same time, and as the product has multi-functions including floss, oral irrigator, and tongue cleaner, users can feel the refreshingness of scaling

⑨ Store Share

"Two stores under one roof" Hourly store sharing platform services. It is a sharing economic model that subleases a store during non-operation time period.

⑫ ADAS ONE INC.

- ADAS ONE is a smart car solution brand in which ADAS technology and various functions are combined for safe driving and prevention of traffic accidents
- It is an advanced technology for safe driving required for unskilled or elderly drivers
- A next-generation smart driving support system.

⑪ GERI(GUMI ELECTRONICS & INFIOMATION TECHNOLOGY REAEARCH INSTITUTE)

Developing an inventive holographic 3D (H-3D) technology, providing human-friendly 3D image contents and exhibiting H-3D display based on dual-display and H-3D mobile

⑩ Hans Creative Co., Ltd.

SSES(Smart Security & Energy Saving) Security & energy saving combined solution that can have effects of both highly credible security and energy saving based on standardized wireless technologies and bluetooth

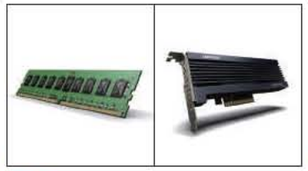
Course 5.

Memory Semiconductor, Equipment and Material

Korea has prevailed globally and solidified its strong position in memory and semiconductor markets. Meet Samsung Electronics, SKhynix and Equipment, Material makers that are together driving competitive advantage through acts of innovation.

SEDEX

①Samsung Electronics(#C060) → ②Shinsung ENG/FA(#B070 → ③Dongjin Semichem(#B050) → ④SK hynix(#A050) → ⑤Wonik IPS/Holdings(#A140) → ⑥EO Technics(#B040) → ⑦KCTech(#B030) → ⑧PSK(#A130) → ⑨SEMES(#A100)



① Samsung Electronics

Samsung Electronics has been the world's largest producer of memory chips since it ranked top in global market share in 1993. It is renowned as the world leader in advanced memory technology and solutions including DRAM, Flash and state-of-the-art semiconductor products.

② Shinsung ENG/FA

Shinsung ENG is equipped with highly professional competitiveness in ultra-precision cleaning technology for industrial environment. The company manufactures Fan Filter Unit and has several years of experience working in fine particle visualization system. Shinsung ENG introduces the system that displays images of weak light scattered by laser to visualize particles.

③ Dongjin Semichem

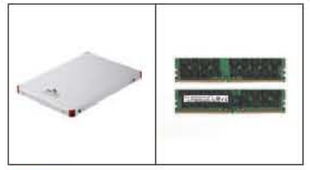
Dongjin Semichem offers photoresists, bottom ARC, top coat, CMP slurry, colored resists, organic insulator, and Polyimide to meet the requirements of the semiconductor and the flat-panel display industry. Its product line includes Solar paste for c-Si solar cell, thinner, stripper, developer, rinsing solution and etchants.

⑥ EO Technics

Founded in 1989, EO Technics has been the forefront manufacturer and supplier of laser application equipment used in marking, cutting, drilling, trimming, patterning, dicing, and other applications in Korea for the past 20 years. It has achieved an eminent position as a laser-based equipment supplier in the field of semiconductor, PCB, FPD, telecommunication and general industries.

⑤ Wonik IPS/Holdings

Wonik IPS is engaged in manufacturing and sales of front-end and CVD equipment that has energy saving item. Wonik Holdings manufactures Gas Supply System, Gas Purifier Unit, ARS and supplies Total Gas Solution to meet the requirements of the semiconductor and the display industry.



④ SK hynix

SK hynix produces DRAM, NAND flash, and CIS used in IT products including PC, server, smart phones and table PCs. With its global competitiveness in semiconductor technologies, SK hynix is at the forefront of the IT industry ranking 3nd position in the global semiconductor market as of the first half of 2016.

⑦ KCTech

KCTech, founded in 1987, has contributed to domestic Semiconductor and Display industry through localization of related items including equipments and electric materials. It is mainly enganged in the manufacture and sales of CMP equipment, Wet Cleaning System, Gas Cabinet, ALD and Slurry.

⑧ PSK

PSK is a global leader in the development and manufacturing of semiconductor equipment, especially in front-end and packaging solutions. Its main products are Dry strip, POC, Etch Back, Power device etch and Packaging Reflow. The company has grown to be the world's no.1 Dry Strip Equipment supplier in the global market. PSK introduces its newest Ashing System called 'SUPRAN' at SEDEX 2016.

⑨ SEMES

SEMES is the largest Korean semiconductor/display equipment manufacturer for both front and back-end solutions with 10 billion dollars in revenue. At this year's Semiconductor Exhibition, SEMES introduces its Cleaning equipment BLUEICE, IRIS, OMEGA and Photo Tack equipment LOZIX, Etching equipment MICHELAN OX and back-end solutions which include Saw&Sorter, Die Bonder and Probe Station.

Course 6.

Our Future Engine, System-on-Chip!

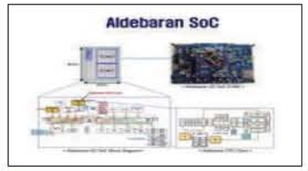
With the growing convergence between manufacturing and ICT, System Semiconductor is important now than ever. Let`s visit system semiconductor companies that will lead the future of Robot, IoT, Bio, Smartcars and the Fourth Industrial Revolution.

SEDEX

① SoC R&D Output Matching Fair(#D030) → ②ETRI(#D042) → ③Silicon Mitus(#D072) → ④Infineon Technologies(#C140) → ⑤Acktiv Technology(#C133) → ⑥Start-up Showcase(#C120) → ⑦STMicroelectronics(#C040) → ⑧QRT(#A040) → ⑨Silicon Works(#B001)

①SoC R&D Output Matching Fair

SoC R&D Output Matching Fair promotes R&D results of small and medium Fabless companies to the public and supports commercialization of R&D by inviting overseas companies and buyers.



② ETRI

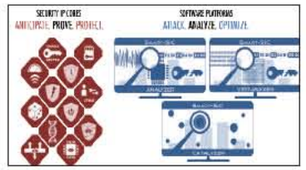
Electronics and Telecommunications Research Institute(ETRI) is a global ICT research institute that has been making its immense effort to provide Korea a remarkable growth in the field of ICT industry since its foundation in 1976. ETRI introduces embedded high performance CPU, ALDEBARAN and 17 ICT semiconductor components design and application technologies.

③ Silicon Mitus

Silicon Mitus is a fabless semiconductor company which delivers high performance power management solutions for consumer electronics. It developed Power Management ICs designed for use in LCD display and mobile phone/smartphones and wireless power transmission solutions for next-generation technologies.

⑥ Start-up Showcase

Start-upShowcase introduces promising Korean semiconductor start-ups and their exceptional semiconductor technologies and products for IoT, Wearable, Robot, Drone. The event aims to provide efficacious platform for the Korean Start-ups to introduce and market their innovative ideas, build business networks and find new investment opportunities. The participating companies are BTREE, EGURU, Haptric, HYOSUNG Technology, MAPS, Recos, Silicon Bridge and TEMPUS.



⑤ Acktiv Technology

Acktiv Technology provides the latest innovation in mobile device design verification, network equipment testbed integration and next generation air interface trials, a variety of equipment and solutions. At SEDEX, Acktiv introduces Security IP Cores and Analysis platforms used to evaluate the design`s robustness of these attacks and prepare any kind of certifications.

④ Infineon Technologies

Infineon Technologies offers a wide range of semiconductor solutions. At this year`s exhibition, Infineon Technologies introduces semiconductor and system solutions for mobility, efficiency and security, consumer power and sensor solutions, security solutions for IoT and high-efficiency power management ICs.

⑦ STMicroelectronics

STMicroelectronics is one of the world's largest semiconductor companies. It offers one of the industry's broadest product portfolios based on innovative semiconductor solutions, strategic alliances with customers and suppliers and strong production capacity.

⑧ QRT

QRT offers technical assessment services related to semiconductor manufacturing. It has obtained KOLAS certification in the area of reliability testing for the industrial and automotive semiconductor. QRT proudly introduces its cutting-edge Etching technology as well as broad services over mobile, display, appliances, display compose of electronic components.

⑨ Silicon Works

As the top fabless company in Korea, Silicon Works provides excellent support to our front industry customers with world-wide No.1 class display total solution. It is a leading Korean Fabless company that developed MD architecture for LCD and SD-IC component for the first time in the world and set a new standard for column driver ICs worldwide.

2016 Korea Electronics Grand Fair Concurrent Event

Time		Program	Location
10.26 (Wed)	09:00~13:00	Korea Electronics Grand Fair Opening Ceremony_K	COEX Conference Rm. #401
	13:30~15:00	Opening Keynote_K	COEX Conference Rm. #401
	09:10~18:00	ISMP_S	COEX Conference Rm. #317~318
	09:40~16:30	Semiconductor Technology & Market Trend Seminar_S	COEX Conference Rm. #308
	10:00~17:25	IMID Business Forum_D	COEX Conference Rm. #E5~E6
	10:00~18:00	IP-SoC Design Conference_S	Asem Hall, Rm. #203 A/B, Conference Rm.(North)
	10:00~16:00	Overseas Buyer Trade Meeting_S	COEX Conference Rm. #301~306 & onsite in Hall C
	10:00-17:00	Semiconductor Power Company Job Fair_S	Hall C
	10:00-17:00	Display Power Company Job Fair_D	Hall D
	13:00	IPLUG(IP Plug Network)_K	COEX Conference Rm. #300
	13:30~18:00	Trade Meeting of Korea-China Enterprises_D	Oakwood Hotel 5F
	13:30~17:00	Smart Factory & Biz Expo:1:1 Business & Investment Meeting_K	COEX Conference Rm. #208
	13:30~17:30	IP Strategies for Success In USA and China_K	COEX Conference Rm. #327
	15:30~17:20	ICT·Electrical Electronics Products EU Environmental Regulation Compliance & Enterprises Environmental Management strategy Seminar_K	COEX Conference Rm. #307
	15:00~18:00	IEEE/IEIE ICCE-Asia_K	COEX Conference Rm. #401/#208~211
10.27 (Thu)	08:30~18:30	IEEE/IEIE ICCE-Asia _K	COEX Conference Rm. #401/#208~211
	09:10~18:00	Global 3D Tech Forum Symposium_K	COEX Conference Rm. #402
	09:00~12:20	KEA-IEEE Seminar : Vision of Future Technology in 5G and Wi-Fi_K	COEX Conference Rm. #203
	09:20~17:20	New Electric Power Technology : Key technology, development cases, and the markets_K	COEX Conference Rm. #E2
	10:00~17:00	Overseas Buyer Trading Meetings_D	Oakwood Hotel 5F
	09:30~17:25	Application and commercialization technologies of Energy Storage System_K	COEX Conference Rm. #E1
	10:00~16:00	Overseas Buyer Trading Meetings_S	COEX Conference Rm.#301~306 & onsite in Hall C
	10:00-17:00	Semiconductor Power Company Job Fair_S	Hall C
	14:00~16:00	KEC Retail Dealer Seminar_K	Hall E /E8
	10:00~16:55	IMID Business Forum_D	COEX Conference Rm. #E5~E6
	10:00-17:00	Display Power Company Job Fair_D	Hall D
10.28 (Fri)	09:00~17:10	Autonomous Vehicle Implementation Predictions and Response strategy Seminar_K	COEX Conference Rm. #E5
	09:30~17:25	Power Energy IoT: key technology, development cases and market trend_K	COEX Conference Rm. #E7
	09:00~17:40	Global 3D Tech Forum Symposium_K	COEX Conference Rm. #402
	09:00~15:30	IEEE/IEIE ICCE-Asia_K	COEX Conference Rm. #401/#208~211
	09:30~17:25	Application and commercialization technologies of Energy Storage System_K	COEX Conference Rm. #E1
	10:00~17:00	New Electric Power Technology : Key technology, development cases, and the markets_K	COEX Conference Rm. #E2
	9:30-13:00	Wearable Korea Seminar_D	COEX Conference Rm. #E6
	10:00~12:00	EDA Standard Solution Seminar_S	COEX Conference Rm. #201
	14:00~17:00	Tech Trans Fair in ICT_K	COEX Conference Rm. #E3, E4

2016. 10. 26(Wed)

Korea Electronics Grand Fair Opening Ceremony

- Date & Time : 2016. 10. 26(Wed) 09:00-13:00
- Location : COEX Conference Rm. #401
- Hosted by : Ministry of Trade, Industry & Energy
- Organized by : KEA(Tel: 82-2-6388-6136, e-mail: sjjang@gokea.org)

Opening Keynote

- Date & Time : 2016. 10. 26(Wed) 13:30-15:00
- Location : COEX Conference Rm. #401
- Organized by : KEA

Time	Attach	Program	Speaker
13:30~14:20	GM	Leading through Action: Partnership and Convergence	President and CEO, GM Korea Company James Kim
		Expanding Chevrolet Electric Portfolio	Deputy Director, Electrification Engineering, GM Martin Murray
		Driving Sustainability: Reinventing the Automobile	Vice President, GMI Planning & Program Management Lowell Paddock
		LGE Vision as an Innovation Partner for EV Components	President, Vehicle Components Company, LGE Woo-Jong Lee
14:20~15:00	SAMSUNG	The Global Opportunities IoT Technology Enables	Senior Vice President and US Head of ARTIK, SAMSUNG ELECTRONICS Co., Ltd., James Stansberry

ISMP

- Date & Time : 2016. 10. 26(Wed) 09:10-18:00
- Location : COEX Conference Rm. #317~318
- Organized by : KMEPS(Tel: 82-2-538-0962, e-mail: kmeps@kmeps.or.kr)

Time	Rm317	Rm318-A	Rm318-B
09:10-10:15	Session 7	Session 8	Session 9
	Modeling, Simulation, Quality and Reliability of Electronic Components	Electronic Materials and Processing-2	Sensors
10:15-10:30	Coffee break		
10:30-11:20	Plenary Talk2 : Advanced Packaging Solution in Challenge and Collaboration / Yongchul Park (Amkor Korea, Korea)		
11:20-12:00	General Meeting		
12:00-13:30	Lunch		
13:30-14:10	Keynote Talk3 : Interconnection Technology for WBG Power Devices / Suganuma Katsuaki (Osaka University, Japan)		
14:10-14:50	Keynote Talk4 : How to Link Research Outcomes to Commercial Applications / Jong-Gu Park (KIST, Korea)		
14:50-15:00	Coffee break		
15:00-16:10	Session 10	Session 11	Session 12
	Electronic Materials and Processing-3	Electronic Materials and Processing-4	Photonic and Printed Electronics
16:10-17:30	Poster Presentation Session 2		
17:30-18:00	Award Ceremony and Closing Remark		

Semiconductor Technology & Market Trend Seminar

- Date & Time : 2016. 10. 26(Wed) 09:40-16:30
- Location : COEX Conference Rm. #308
- Organized by : Korea Semiconductor Industry Association (Tel : 82-2-570-5223, 5231 / e-mail : ksong@ksia.or.kr)

Time	Program	Speaker
09:40-10:00	Registration	
10:00-10:40	World Semiconductor Market Outlook(*English)	IHS
10:40-11:20	Car and Semiconductor Crossover & IoT	DongBu Securities
11:20-12:00	NAND Application Technology and Outlook	SK Hynix
12:00-13:30	Lunch Break	
13:30-14:10	Mobile SoC Market Trends	Samsung Electronics
14:10-14:50	Next Generation Semiconductor Package technology	Amkor Technology Korea
14:50-15:10	Coffee Break	
15:10-15:50	Status of Smart Phone Market and Outlook	Counterpoint Research
15:50-16:30	Chinese Semiconductor Industry Forecast	NH Investment & Securities

IMID Business Forum

- Date & Time : 2016. 10. 26(Wed) 10:00-17:25
- Location : COEX Conference Rm. #E5~E6
- Hosted/Organized by : KDIA, KIDS
- Inquires : Yu-Ri Jin, Exhibition Marketing Team, KDIA(Tel: 82-10-4513-0979, e-mail: jyr@kdia.org)

Time	Topic	Speaker
09:00-09:55	Registration	
09:55-10:00	Welcome & Opening	KDIA
Session 1. [Keynote I] Business Strategies of Big Players		
10:00-10:40	[Keynote] OLED, Brings Your Dream to Life	LG Display Kwang Jin Kim Vice President
10:40-11:20	[Keynote] Technology Trends of Small-and-Medium Size OLED	Samsung Display Won Sang Park Principal Engineer
11:20-12:00	[Keynote] The opportunity and challenge of OLED	BOE James Chang General Manager of Project
Lunch Break		
Session 2. Trend & Market of Display Industry		
13:15-13:50	Global Display Industry Investment Trend in 2017	Shinhan Investment Corps. John Soh Head of Equity
13:50-14:25	OLED Industry Trend	Ubiresearch Choong Hoon Yi President/Chief Analyst
14:25-15:00	Virtual Reality: Current Status and Future Prospects	LG Economic Research Institute Woo Keun Lee Senior Consultant
Coffee Break		
Session 3. Trend of Killer Applications with Next-Generation Display		
15:10-15:35	Strategies for Success in Samsung VR & 360 Video	Samsung Electronics Won Do Kang
15:35-16:00	Display in Wearable Devices and its Applications in AR/VR/MR	Raontech Brian Kim, Ph. D CEO
16:00-16:25	A new user interface for smartphones: 3D Touch by HiDeep	HiDeep Brian Ko CEO
Coffee Break		
16:35-17:00	Strategies for Success in Automative Display	Korea Automotive Technology Institute Kyu Bong Yeon
17:00-17:25	Digital Signage Success Strategies for communication	M&M Networks Sung Won Kim CEO

2016. 10. 26(Wed)

IP-SoC Design Conference SEDEX

- Date & Time : 2016. 10. 26(Wed) 10:00-18:00
- Location : Asem Hall - Rm. 203 A/B, Conference Rm.(North), COEX
- Organized by : Korea Semiconductor Industry Association
  (Tel: 82-2-570-5273, e-mail: sychoi@ksia.or.kr)

Time	Program	Speaker
10:00-10:10	Welcome Speech	
Keynote (ASEM Hall)		
10:10-10:50	Intel Beyond PC	김두수 전무 (Intel Corp.)
10:50-11:30	Automotive Growth Drivers	이승수 대표이사 (Infineon Technologies Korea)
Foundry Track (ASEM Hall)		
11:30-12:30	TBD	Account Director. Mike Guo (SMIC)
12:30-13:30	Lunch Break	
13:30-14:00	Magnachip Foundry Technology Introduction	최태호 부장 (Magnachip Semiconductor)
14:00-14:30		
14:30-15:00	Advantages of Dongbu HiTek process technology	심천만 부장 (Dongbu Hitek)
15:00-15:30		
IP Track(Room 203A)		
11:30-12:00	ARM IP solutions	최상익 차장, 김태용 부장 (ARM)
12:00-12:30	ARM mbed - Toward secure, scalable, efficient IoT	최병두 부장 (ARM)
12:30-13:30	Lunch Break	
13:30-14:00	Andes, a small but strong CPU vendor	Sales head. KY Hsieh (Andes Technology)
14:00-14:30	Security weaknesses in IoT - challenges and Solutions	Jordan Suchet, Business manager (Secure-IC)
14:30-15:00	Lossy&Lossless hybrid compression IP solutions for saving bandwidth and memory size	김한상 부장 (Chips & Media)
15:00-15:30	360 surround VR, freeview point video and light field video trends	민병왕 대표(MnnH)
15:30-15:50	Coffee Break	
15:50-16:20	IP Requirements For Automotive and Industrial IOT	CTO. Claude Gauthier (OmniPHY)
16:20-16:50	Tensilica Customizable Processors & Applications-Focused Processors	김재구 부장 (Cadence Korea)
IP Track(Room 203B)		
15:00-15:30	About key factors for eNVM Technology and Macro IP	송북남 대표 (Wingcore Technology)
15:30-15:50	Coffee Break	
15:50-16:20	Data converter for Automotive, IoT, Surveillances	홍동희 수석 (LeoLSI)
16:20-16:50	Ultra-Low Power ASIC Solution and Uranus™ SoC Platform for IoT	AVP. Raymond Lai (Faraday Technology)
IP Track(ASEM Hall)		
15:50-16:20	Energy-Efficient IP Solutions for IoT Chip Design	최형배 부장 (Synopsys)
16:20-16:50	VeriSilicon IPD Technology Roadmap and Product Lines	오유섭 대표 (Verisilicon)
EDA Track(Room 203B)		
11:30-12:00	Synopsys Verification Solution ('Shift-Left' Solution for Faster Time-to-Market)	김규홍 이사 (Synopsys)
12:00-12:30	Cadence Design / Implementation / Verification Platform	이상길 상무 (Cadence Korea)
12:30-13:30	Lunch Break	
13:30-14:00	Early design planning and post-layout timing debugging of SoC design	박종주 전무 (Entasys Design)
14:00-14:30	Leverage ARM Heterogeneous Multicore SoC to develop the robust IoT Software Platform	남영관 부장 (Mentor Graphics)
14:30-15:00	HOY's Memory testing solutions for Automotive SoC Designs	Vice-President JJ Lai (Hoy Technologies)
16:50-18:00	Reception (Lobby)	

Overseas Buyer Trade Meeting SEDEX

- Date & Time : 2016. 10. 26(Wed) 10:00-16:00
- Location : COEX Conference Rm. #301~306, COEX 3F & onsite in Hall C, COEX
- Organized by : GMEG / Sunny Kim
  (Tel : 82-70-7700-0013 / e-mail : gmeg_sunny@naver.com)

Global Buyer (Device)
SMIC, HHGRACE, Sony, Hermes-Epitek, SJ Semiconductor, UMC
Global Buyer (Set)
TCL, VIVO, XIAOMI, ZTE, INTEX, BBK

Semiconductor Power Company Job Fair SEDEX

- Date & Time : 2016. 10. 26(Wed) 10:00-17:00
- Location : COEX Hall C
- Organized by : KISA
- Objective : A job fair of small&Medium-sized enterprises engaged in Semiconductor
- Inquires : Hae-sung, Ham / KISA (Tel : 82-2-570-5217 / e-mail : hsham@ksia.or.kr)

Display Power Company Job Fair WID

- Date & Time : 2016. 10. 26(Wed) 10:00-17:00
- Location : COEX Hall D
- Organized by : KDIA
- Objective : A job fair of small&Medium-sized enterprises engaged in Display
- Inquires : Jae-hui, Jeon / KDIA (Tel : 82-2-3014-5714 / e-mail : jjh@kdia.org)

IPLUG(IP Plug Network) KES

- Date & Time : 2016. 10. 26(Wed) 13:00
- Location : COEX Conference Rm. #300
- Hosted by : Korea Intellectual Property Office(KIPO)
- Organized by : Korea Intellectual Property STrategy Agency(KISTA)
- Inquires : Mr.(Ms.)Yu Mi Lee_, IP Business Development Team
  (Tel : 82-2-3475-8512, e-mail:ym7610@kista.re.kr)

Time	Program	Speaker
13:00-15:00	Investor Relations Promotion	venture capital investor
15:00-15:20	Ultra-sensitive VOC sensor is applied to metal organic framework catalyst technology	KAIST(Korea Advanced Institute of Science Technology) Il Doo Kim
15:20-15:40	Method of managing vehicle in message server and the method in vehicle terminal	Kookmin Univ. Hyun June Jung
15:40-	University SMK(sales material kit) Promotion & consultation of technology(IP)	Univ.

Trade Meeting of Korea-China Enterprises WID

- Date & Time : 2016. 10. 26(Wed) 13:30-18:00
- Location : Oakwood Hotel(5F)
- Buyers : BOE, TIANMA, CEC-PANDA, VISIONOX etc.
- Organized by : KDIA
- Inquires : Lee, Byung Yoon / Chinese Business Team / KDIA
  (Tel : 82-2-3014-5721, e-mail:lby@kdia.org)

2016. 10. 26(Wed)

Smart Factory & Biz Expo: Business & Investment Meeting KES

- Date & Time : 2016. 10. 26 (Wed) 13:30-17:00
- Location : COEX Conference Rm. #208
- Hosted by : Ministry of Trade, Industry and Energy
- Organized by : SAMSUNG, Korea Commission for Corperate Partnership, Korea Federation of SMEs(KBIZ), Korea Smart Factory Foundation, Korea Electronics Association(KEA)
- Inquires : Smart, Factory & Biz Expo Organizer Office
  (Tel : 82-70-4335-1386~7, e-mail : smart-expo@naver.com)
- Program : Business meetings for market promotion and investment of the smart factory building companies (On-site marching available, Hall B2)

IP Strategies for Success In USA and China KES

- Date & Time : 2016. 10. 26(Wed) 13:30-17:30
- Location : COEX Conference Rm. #327
- Hosted by : Ministry of Science, ICT and Future Planning
- Organized by : Korea Electronics Association
- Inquires : Youngjoo, Park, International Patents Assistance Center
  (Tel.:82-2-6388-6076, e-mail: ppang@gokea.org)

Time	Program	Speaker
13:30-13:35	Greetings	
13:35-14:30	USA IPO(Initial Public Offering)	Timothy Elder (SGR, LLP)
14:30-15:20	Preparing for the US market: IP perspective	John Carson(Knobbe&Martens)
15:20-15:40	Coffee Break	
15:40-16:25	Willful Infringement After Halo - Application and Best Practices	David Chun (Ropes & Gray)
16:25-17:10	Regulations for the mobile services in China	Yan Ni QIU(KIM&CHANG)
17:10-17:30	Q&A	

IEEE/IEIE ICCE-Asia KES

- Date & Time : 2016. 10. 26(Wed) 15:00-18:00
- Location : COEX Conference Rm. #401(South)
  COEX Conference Rm. #208-211(North)
- Hosted by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Organized by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Inquires : DaHee Jang, IEIE (Tel.: 82-2-553-0255, e-mail: inter@theiele.org)

Time	Program	Speaker
15:00-17:00	Registration (4F Lobby)	
16:00-18:00	Tutorial 1 (Room 403)	Prof. Daniel Cremers
18:00-	Welcome Reception (4F Lobby)	

ICT·Electrical Electronics Products EU Environmental Regulation Compliance & Enterprises Environmental Management strategy Seminar KES

- Date & Time : 2016. 10. 26(Wed) 15:30-17:20
- Location : COEX Conference Rm. #307C
- Hosted by : Ministry of Science, ICT and Future Planning (MSIP)
- Organized by : Korea Electronics Association (KEA)
- Inquires : Ms. Hyo Jin, Kim, KEA Environment&Energy Center
  (Tel.: 82-2-6388-6091, e-mail: hjkim@gokea.org)

Time	Program	Speaker
15:00-15:30	Registration for Seminar	
15:30-15:35	Greeting	MSIP
15:35-16:10	State of the play of EU RoHS Revision - Guidance on additional restricted chemicals in 2019	KOTITI Jung-hyun Lee
16:10-16:40	Current Status of EU Resource Efficiency Regulation and Enterprises countermeasure strategy	Richard Consulting Min-young Lee
16:40-17:10	Cases of Environmental Management Strategy - Samsung Electronics Eco-design&Certification	Samsung Electronics Young-chai Heo
17:10-17:20	Q&A & Closing	Attendees

2016. 10. 27(Thu)

IEEE/IEIE ICCE-Asia

- Date & Time : 2016. 10. 27(Thu) 08:30-18:30
- Location : COEX Conference Rm. #401(South)
  COEX Conference Rm. #208-211(North)
- Hosted by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Organized by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Inquires : (Ms.)_DaHee Jang, IEIE (Tel.: 82-2-553-0255, e-mail: inter@theieie.org)

Time	Program	Speaker
08:30-16:00	Registration (4F Lobby)	
10:40-11:00	Opening Ceremony Conference (Room 401)	
11:00-11:40	Plenary Talk 1 (Room 401)	Prof. Daniel Cremers
11:50-12:30	Plenary Talk 2 (Room 401)	Dr. Seung-Jong Choi
12:30-13:30	Lunch (Lu-1F)	
13:30-17:00	Oran Session (2F, Conference Room)	
17:20-18:00	Plenary talk 3 (Room 402)	Prof. Kyoung Mu Lee
18:30-	Banquet (Grandballroom 1F, 105)	

Global 3D Tech Forum Symposium

- Date & Time : 2016. 10. 27(Thu) 09:10-17:30
- Location : COEX Conference Rm. #402
- Hosted by : MOTIE
- Organized by : KEA, 3DFIA, IEIE
- Inquires : Mr. Wonki Hong, KEA (Tel.: 82-2-6388-6083, e-mail: hongwk@gokea.org)

Time	First day Program(October 27)	
09:10-09:20	Opening(Chair of 3D Fusion Industry Association)	
09:20-09:30	Greetings(Ministry of Trading, Industry, Energy)	
09:30-10:20	[Keynote1] Sensing and Tracking for 3D Narratives / Stanford Univ, Martha G. Russell(USA)	
10:20-11:10	[Keynote2] 3D Display Technologies for Augmented Reality / Byoungho Lee (Seoul National University)	
11:10-12:00	[Keynote3] Authentic Immersive Environments for Liquid Workforce Learning in large Organizations / Marcelo F. Guimaraes(Sabia Experience, Brazil)	
12:00-13:00	Lunch	
13:00-14:10	3D Display & Processing	[Invited] VR/AR Contents & Device Evolving Trend / LGE, Andrew Kwak
		Eye and Hand Tracking for Natural User Interface with VR/AR/MR / Seoul National University, Sang Yooon Han
		X3D Virtual Reality / Chungbuk National University, Kwan-Hee Yoo
14:10-15:20	3D Contents	360-degree Video Compression Format for Virtual Reality / Samsung Electronics, KWANG PYO CHOI
		Rate distortion optimization for omnidirectional video using HEVC / Sungkyunkwan University, Byeungwoo Jeon
		Human Face 3D Modeling with Handheld Single 2D Camera on Mobile Devices / Samsung electronics, Jaeyun Jeong
		Depth Expressible Augmented Reality HMDs: Solutions for Mitigating VAC Problem / Seoul National University, Changwon Jang
		Adaptive Rendering Control in Mobile Environment / Samsung Electronics, Jong Pil Park
15:20-15:50	Poster session	
15:50-17:30	VR/AR/3D Business	VR Business model and Verest activities in 2016 / Verest, Kiho Kwon
		Entertainment market strategy with Robot +VR Convergence / Sangwha, Eungiu Lee
		AR/VR experience solution based space for Korean VR theme park / Motion technology, Ki-hyuk Yang
		VR Technology for human, open the closed minds of youth / Emotionplayground, Sukyoung Choi
		Analysis of Technical Elements of Vision Therapy based on VR HMD / Kwangwoon Univ, Sang-mi Choi
		3D Printing Slicer Application / Intellikorea Youngsoo Kwon

KEA-IEEE Seminar : Vision of Future Technology in 5G and Wi-Fi

- Date & Time : 2016. 10. 27(Thu) 09:00-12:20
- Location : COEX Conference Rm. #203
- Organized by : IEEE-SA, KEA
- Sponsored by : KATS
- Inquires : Mr. Kevin KIM, Technology and Standards Center, KEA
  (Tel.:82-2-6388-6181, e-mail:dskim@gokea.org)

Time	Program	Speaker
09:00-09:30	Registration	KEA
09:30-09:35	Greeting Message	Mr. Insuk NAM KEA CEO & President
09:35-09:50	Introduction of IEEE and IEEE Standards Association	Dr. Kishik PARK IEEE-SA Board of Governors
09:50-11:20	5G Mobile Communications	Dr. Jon Rosdahl IEEE 802.11 Executive Committee member
11:20-11:30	Break Time	
11:30-11:55	Accessibility Issues in Consumer Products	Mr. Kevin KIM KEA Senior Manger
11:55-12:15	IEEE Standards for future robotics	Jing (Walter) Sun IEEE-SA Global Strategy Manager
12:15-12:20	Final Q&A / Wrap-up	KEA & IEEE

New Electric Power Technology : Key technology, development cases, and the markets

- Date & Time : 2016. 10. 27(Thu) 09:20-17:20
- Location : COEX Conference Rm. #E2
- Hosted by : Electronic Science Monthly
- Organized by : Smart & Company, Ltd.
- Inquires : Mr. Ga, Education Dep't, Smart & Company, Ltd.
  (Tel.: 82-70-4048-5984, e-mail:webmaster@smartn.co.kr)

Time	Program	Speaker
09:20-10:20	Power Conversion and Grid Integration Technologies for Wind Energy	Seung-Ho Song, PhD, Kwangwoon University
10:30-11:30	Technology of solar power generation : - Understanding of basic principle of solar cell. - Configuration and key technologies(MPPT etc.) of the solar power converter	Joung Hwan Bae, CEO, QIT
11:40-12:40	The future of AC and DC	Jung-Hoon Kim, PhD, Hongik University
12:40-14:00	Lunch & Show view	
14:00-15:00	Power Electronics technology for battery charging and discharging 1: Operating principles and design techniques	Sewan Choi, PhD, Seoul University of Science & Technology
15:10-16:10	Power Electronics technology for battery charging and discharging 2: Development trend and case studies	Sewan Choi, PhD, Seoul University of Science & Technology
16:20-17:20	LED driver technology and market review	Soo Bin Han, PhD, KIER

Overseas Buyer Trading Meetings

- Date & Time : 2016. 10. 27(Thu) 10:00-17:00
- Location : Oakwood Hotel(5F)
- Buyers : BOE, TIANMA, CEC-PANDA , VISIONOX etc.
- Organized by : KDIA
- Inquires : Hyo-Eun, Kim / Chinese Business Team / KDIA
  (Tel.: 82-2-3014-5713, e-mail:khe@kdia.org)

2016. 10. 27(Thu)

Application and commercialization technologies of Energy Storage System

- Date & Time : 2016. 10. 27(Thu) 09:30-17:25
- Location : COEX Conference Rm. #E1
- Hosted by : Electronic Science Monthly
- Organized by : Smart & Company, Ltd.
- Inquires : Mr. Ga, Education Dep't, Smart & Company, Ltd.
  (Tel.: 82-70-4048-5984, e-mail:webmaster@smartn.co.kr)

Time	Program	Speaker
9:30-10:25	Lithium battery industry-Energy market & energy storage	In-kwan Hong, Director, Kokam
10:30-11:25	Current situation and business model for Energy storage system	Dae Seok Rho, PhD, KUT
11:30-12:25		
12:25-13:25	Lunch break	
13:30-14:25	Microgrid field demonstration and PCS application technology	Young-Jun Choi, PhD, Hyosung Corporation
14:30-15:25		
15:30-16:25	Power Conditioning System Technology for ESS	Hanju Cha, PhD, Chungbuk University
16:30-17:25		

Overseas Buyer Trade Meeting

- Date & Time : 2016. 10. 27(Thu) 10:00-16:00
- Location : COEX Conference Rm. #301~306, COEX 3F & onsite in Hall C, COEX
- Organized by : GMEG / Sunny Kim
  (Tel. : 82-70-7700-0013 / e-mail : gmeg_sunny@naver.com)

Global Buyer (Device)
SMIC, HHGRACE, Sony, Hermes-Epitek, SJ Semiconductor, UMC
Global Buyer (Set)
TCL, VIVO, XIAOMI, ZTE, INTEX, BBK

Semiconductor Power Company Job Fair

- Date & Time : 2016. 10. 27(Wed) 10:00~17:00
- Location : COEX Hall C
- Organized by : KISA
- Objective : A job fair of small&Medium-sized enterprises engaged in Semiconductor
- Inquires : Hae-sung, Ham / KISA (Tel. : 82-2-570-5217 / e-mail. : hsham@ksia.or.kr)

KEC Retail Dealer Seminar

- Date & Time : 2016. 10. 27(Thu) 14:00-16:00
- Location : COEX Hall E8
- Hosted by : KEC
- Organized by : KEC, TSD
- Inquires : Mr. Back, Ji hoon, TSD(Tel. : 82-10-6278-3689/e-mail. : hoon3689@kec.co.kr)
  Mr. Lee, Jae sung, Marketing Planning Group of KEC
  (Tel. : 82-10-5516-9632/e-mail. : jslee@kec.co.kr)

Time	Program	Speaker
14:00-14:10	Company Presentation	Mr. Choo, Hyun sik
14:10-14:30	Product Line up Presentation	Mr. Cho, Sung boo
14:30-14:50	Korea's Semiconductor retail Market situation	Mr. Back, Ji hoon
14:50-15:30	KEC's Dealer operation policy and Partnership Offer	
15:00-16:00	Q&A	

IMID Business Forum

- Date & Time : 2016. 10. 27(Thu) 10:00-17:25
- Location : COEX Conference Rm. #E5~E6
- Hosted/Organized by : KDIA, KIDS
- Inquires : Yu-Ri Jin, Exhibition Marketing Team, KDIA
  (Tel.: 82-10-4513-0979, e-mail.: jyr@kdia.org)

Time	Program	Speaker
Session 4. Latest Business strategies of Enterprises on China's New Investment		
10:00-10:40	[Keynote] Development of AMOLED Display: From Rigid to Flexible	Visionox / GVO Xiuqi Huang vice president
10:40-11:20	[Keynote I] The Opportunity and Challenges of AMOLED for Mobile Applications	CSOT Chen Dinguo Senior Director
11:20-12:00	[Keynote II] Display Market Trend and Panel maker's Strategy in China	Sigmaintell Lisa Li Vice President
Lunch Break		
Session 5. Small Size Flexible OLED Technology & Issues		
13:15-13:50	Overview of Flexible OLED Core Technologies	Hanyang University Jun Souk Professor
13:50-14:25	Technology Advancement in Flexible Displays	ITRI Display Technology Center Janglin Chen Vice President and General Director
14:25-15:00	Display Manufacturing Technology Innovation for Flexible OLED	Applied Materials Dr. Jerry Chen Director, Member of Technical Staff
Coffee Break		
Session 6. OLED Equipment And Material Technology and Issues		
15:10-15:35	Developing High-Performance Materials for Printed and Evaporated OLED Displays	Dupont David Flattery Business Development Manager
15:35-16:00	Current Status and Future of Phosphorescence OLED	UDC Korea Mansu(Matt) Kim Key Technical Account Manager
16:00-16:25	LLO and ELA process for AMOLED Manufacturing	Coherent Guido Bonati Coherent Gottingen / Product Line Management Group Head (Director)Group Head (Director)
16:35-16:55	Coffee Break	
16:35-17:00	Inkjet Printing for OLED Mass Production	Kateeva Jeff Hebb, PhD Vice President
17:00-17:25	Latest Trend in Evaporation Methods for OLED	Sunicsystem Chang Hun Hwang Research Fellow

Display Power Company Job Fair

- Date & Time : 2016. 10. 27(Wed) 10:00~17:00
- Location : COEX Hall D
- Organized by : KDIA
- Objective : A job fair of small&Medium-sized enterprises engaged in Display
- Inquires : Jae-hui, Jeon / KDIA (Tel. : 82-2-3014-5714 / e-mail : jjh@kdia.org)

2016. 10. 28(Fri)

Autonomous Vehicle Implementation Predictions and Response strategy Seminar KES

- Date & Time : 2016. 10. 28(Fri) 09:00-17:10
- Location : COEX Conference Rm. #E5
- Hosted by : Smart & Co., Ltd.
- Organized by : Automotive Electronics
- Inquires : Mr. B.J. Yoon, Editorial department
  (Tel: 82-10-5275-8765, e-mail: master@autoelectronics.co.kr)

Time	Program	Speaker
09:00-09:30	Registration and Admission	Organizer
09:30-10:15	Current Trends of Commercialization and Its Countermeasures in Autonomous Vehicle	Jae Kean Lee / Vice President, KATECH
10:15-11:00	Revolution Ahead: Semiconductors Technology for Autonomous Vehicle	Chris Suh / Senior Director, NXP Semiconductors
11:00-11:45	The U.S. Department of Transportation's Federal Automated Vehicles Policy and Promotion Strategy	Won Yong Cha, Ph.D. / Director of ASPECT
11:45-12:30	Google's AI type Autonomous Vehicle-Patent Analysis and Opportunity	Won Yong Cha, Ph.D. / Director of ASPECT
12:30-14:00	Lunch	
14:00-14:45	Deep Learning Tech. for Self-Driving Car	Jay Park / CTO, EX-EM
14:45-15:30	SW Technology Implemented in Real Self-Driving Car	Jay Park / CTO, EX-EM
15:30-15:40	Coffee Break	
15:40-16:25	"Self" Driving Plan and Maintenance of Autonomous Vehicle	Sungzoon Cho / Professor of Industrial Engineering Department, Seoul National University
16:25-17:10	Security Issues and Integrated Security Technology for V2X Service for Autonomous Vehicle Age	Jae Joong Kim / Director of KICA

Power Energy IoT: key technology, development cases and market trend KES

- Date & Time : 2016. 10. 28(Fri) 09:30-17:25
- Location : COEX Conference Rm. #E7
- Hosted by : Electronic Science Monthly
- Organized by : Smart & Company, Ltd.
- Inquires : Mr. Ga, Education Dep't, Smart & Company, Ltd.
  (Tel: 82-70-4048-5984, e-mail:webmaster@smartn.co.kr)

Time	Program	Speaker
09:30-10:25	Internet of energy and energy eco-system	Jun Kyun Choi, PhD, KAIST
10:30-11:25	IOT applied power energy system	Jung-Hoon Kim, PhD, Hongik University
11:30-12:25	Sensor technologies for power energy IoT	Byung Sung Lee, PhD, KEPRI
12:25-13:30	Lunch and show view	
13:30-14:25	Energy IoT: protocol, network and platform technologies	Byung Tak Lee, PhD, ETRI
14:30-15:25	IOT wireless communication technology and SPIN	H.M. Hwang, PhD, Myongji University
15:30-16:25	Power transformation system based on IoT	Kyu Jong Ahn, KDN
16:30-17:25	End-to-end solution for electric power energy	S.H. Kang, CEO, IREXNST

Global 3D Tech Forum Symposium KES

- Date & Time : 2016. 10. 28(Fri) 09:00-17:40
- Location : COEX Conference Rm. #402
- Hosted by : MOTIE
- Organized by : KEA, 3DFIA, IEIE
- Inquires : Mr. Wonki Hong, KEA (Tel: 82-2-6388-6083, e-mail: hongwk@gokea.org)

Time		Second day Program
09:00-10:45	3D/VR Medical	[Invited] 3D ANATOMICAL MODEL APPLICATIONS IN MEDICAL EDUCATION / Hacettepe University, Department of Anatomy Ilkan Tatar(Turkey)
		[Invited] to be updated / Hacettepe University, Emre Huri(Turkey)
		[Invited] Medical Solutions from 3D Printing Technologies / China Medical University, Yi-Wen Chen(Taiwan)
		VR, AR Simulation and 3D Printing for Shoulder and Elbow Practice / Chosun Univ, Orthopaedic Department, Young Lae Moon
		Virtual Reality for surgical education in oral and maxillofacial surgery / Chosun Univ, Seong-Yong Moon
		The volume of left atrium measured by multi-detector computed tomography can predict of long term outcome in catheter ablation of atrial fibrillation / The Catholic University of Korea, Yoo Ri Kim
		Development and 3D Motion Analysis of the Dual Chamber-based Drinking Aid for Stroke Patients: A Prospective Pilot Study / National Rehabilitation Center, Seo Yoon Heo
10:45-12:00	3D/VR Education	Direction of VR education through market and technology trend / Chung-Ang Univ, Jinwan Park
		Potention of convergence between VR/AR and Education / Chung-Ang Univ, Jong H. Wi
		VR Game case : Gunship Battle / Joycity, Kim Chan Hyun
12:00-13:00	Lunch	
13:00-14:10	3D/VR Entertainment	[Invited] VR/AR-based Program Production Practices / KBS N, Content Division, Jeong Sang Seob
		[Invited] VR Industry, a Rising Star In China & about 87870 / 87870, Choi Eunyong
		[Invited] Stereoscopic 3D Converting technology and prospect of China market / RealDsquare, Yongjong Kim
14:10-15:20	3D/VR Construction/ Architecture	[Invited] Education experience of Architechture design in VR, and Future work / KOH SX Studio, Jung, Jaeheon
		[Invited] BIM and Architecture design works /DAGROUP digital design Lab, Tae-Yong Cho
		[Invited] Parametric Design & Digital Fabrication in Architectural Education /Hong Ik University, Kyuman Song
		[Invited] Application of Digital Technology for Complex Geometry / WITHWORKS ARCHITECTS & ENGINEERS, Sungjin Kim
15:20-15:50	Poster session	
15:50-17:20	Holography	360 degree Hologram display for Giga Korea / ETRI, Hyungon Choo
		Depth of Fields in AR/VR circumstances / KOPTI, Kwang-Hoon Lee
		Outlooks of Industrial Innovation through holography, the core technology of convergence /Future Technology Research Center, DaeHyun Kim
17:20-17:40	Best paper award	

2016. 10. 28(Fri)

IEEE/IEIE ICCE-Asia KES

- Date & Time : 2016. 10.28(Fri) 09:00-15:30
- Location : COEX Conference Rm. #401(South)
  COEX Conference Rm. #208-211(North)
- Hosted by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Organized by : The Institute of Electronics and Information Engineers (IEIE) & Institute of Electrical and Electronics Engineers(IEEE)
- Inquires : (Ms.)_DaHee Jang, IEIE (Tel: 82-2-553-0255, e-mail: inter@theieie.org)

Time	Program	Speaker
09:00-14:00	Registration (4F Lobby)	
09:30-11:00	Oral Session (2F, Conference Room)	
11:00-12:30	Oral Session (2F, Conference Room)	
12:30-14:00	Lunch (Lu-1F)	
14:00-15:30	Oral Session (2F, Conference Room)	

Application and commercialization technologies of Energy Storage System KES

- Date & Time : 2016. 10. 28(Fri) 09:30-17:25
- Location : COEX Conference Rm. #E1
- Hosted by : Electronic Science Monthly
- Organized by : Smart & Company, Ltd.
- Inquires : Mr. Ga, Education Dep't, Smart & Company, Ltd.
  (Tel: 82-70-4048-5984, e-mail:webmaster@smartn.co.kr)

Time	Program	Speaker
9:30-10:25	Performance evaluation and certification technologies for energy storage system	MiSung Kim, PhD, KTR
10:30-11:25	Grid code and interconnection techniques of energy storage system and distributed generation	Jae-Eon Kim, PhD, Chungbuk University
11:30-12:25		
12:25-13:25	Lunch and show view	
13:30-14:25	Energy management system technologies for Energy storage system	Eung-Sang Kim, PhD, KERI
14:30-15:25		
15:30-16:25	Understanding of power system applied to energy storage system	Jung-Hoon Kim, PhD, Hongik University
16:30-17:25	The operation of power system and energy storage system	

New Electric Power Technology : Key technology, development cases, and the markets KES

- Date & Time : 2016. 10. 28(Fri) 10:00-17:00
- Location : COEX Conference Rm. #E2
- Hosted by : Electronic Science Monthly
- Organized by : Smart & Company, Ltd.
- Inquires : Mr. Ga, Education Dep't, Smart & Company, Ltd.
  (Tel: 82-70-4048-5984, e-mail:webmaster@smartn.co.kr)

Time	Program	Speaker
10:00-11:00	Nanogenerators for Self-Powering Small Electronics I: technologies and R&D trend	S.W. Kim, PhD, Sungkyunkwan University
11:10-12:10	Nanogenerators for Self-Powering Small Electronics II: nanogenerator design and dvive principle	
12:10-13:40	Lunch & Show view	
13:40-14:40	Theories and design technologies for Wireless Power Transmission	Chun T. Rim, PhD, KAIST
14:50-15:50	Wireless Power Transmission application case I: EV charging	
16:00-17:00	Wireless Power Transmission application case II: Smart device charging	

Wearable Korea Seminar IMID

- Date & Time : 2016. 10. 28(Fri) 9:30~13:00
- Location : COEX Conference Rm. #E6,
- Organized by : KDIA, DM EXPO
- Inquires : Hyun Jin Kim / Industrial Support Team / KDIA
  (Tel: 82-2-3014-5710, e-mail:khj@kdia.org)

Time	Program	Speaker
09:00-09:25	Registration	-
09:25-09:30	Welcome & Openning	-
09:30-10:10	Wearable Devices Market Trends	Ubiu.net Dr. YoungBin Jo
10:10-10:25	Presentation of Exhibitor products	Greencomm Co.
10:25-11:05	Wearable UI/UX Technology Trends	ETRI Senior Researcher YongGi Son
11:05-11:20	Presentation of Exhibitor products	NAMU Co.
11:20-12:00	Wearable Devices Technology Trends	Kwang-Woon Univ Prof. TaeHoon Lee
12:00-12:15	Presentation of Exhibitor products	EPSON Korea
12:15-12:45	Wearable Devices Standardization Trends	Chung-Ang Univ Prof. SungGyu Park

EDA Standard Solution Seminar SEDEX

- Date & Time : 2016. 10. 28(Fri) 10:00-12:00
- Location : Asem Hall(Room 201) Conference Room(North), COEX
- Organized by : Korea Semiconductor Industry Association

Time	Program	Speaker
10:00-11:40	- EDA(Equipment Data Acquisition) Standard - System Configuration Method - Application Method of EDA Standard solution - Standard Improvement plan - Future Task	Kim Hyung-su (Doople)
11:40-12:00	- Q&A	

Tech Trans Fair in ICT KES

- Date & Time : 2016. 10. 28(Fri) 14:00-17:00
- Location : COEX Conference Rm. #E3 & E4
- Hosted by : Minister of Science, ICT and Future Planning(MSIP)
- Organized by : Institute for Information and Communications Technology Promotion(IITP)
- Inquires : (Ms.)KIM, Hyun-Jeong, SINJI Patent Firm
  (Tel: 82-70-4907-0230 , e-mail: rs@ipsinji.com)

Time	Program	Speaker
14:00-14:05	Opening address	IITP
14:05-14:10	Congratulatory message	MSIP
14:10-14:40	IITP Business support contribution and Business loans	IITP
	IPCAST Introduction	IITP
	Information Technology Financing	Korea Technology Finance Corporation(KIBO)
14:40-16:00	Patent & Technology Presentation	Researcher
15:00-17:00	1:1 consultation of technology	