









Korea Electronics Show 2015

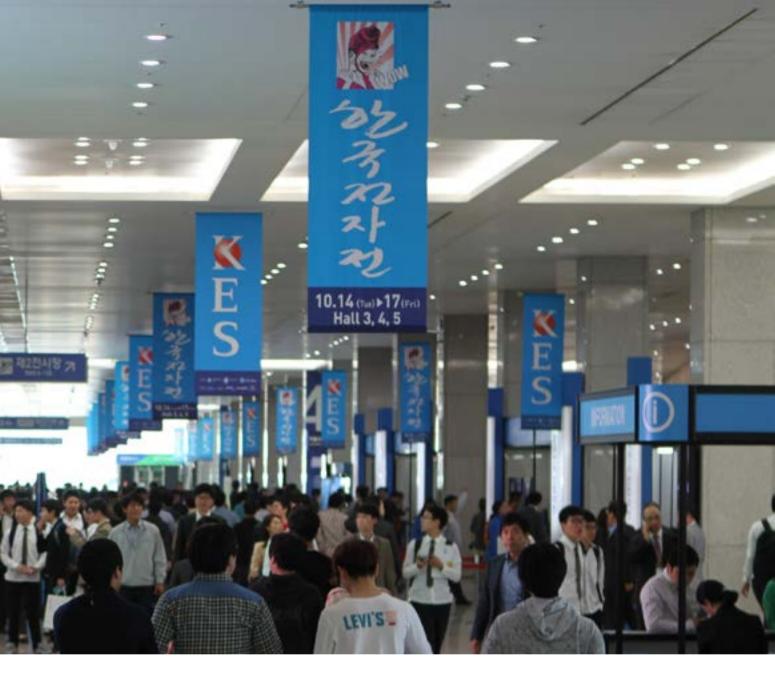
CONTENTS

I. How to Participate in the KES 2015

- 1. Exhibition Outline _4
- 2. Entry Fee _5
- 3. Exhibits and Floor Plan 6
- 4. Concurrent Events _7

II, Review of the KES 2014

- 1. Opening Ceremony _8
- 2. Gala Show 12
- 3. KES Innovation Awards __14



III. Exhibitors of the KES 2014

- 1. Samsung _16
- 2. LG _18
- 3, ICT _20
- 4. Softwar & Mobile _21
- 5. Parts & Materials _22
- 6. Consumer _24
- 7. Premium Home Appliances _25
- 8. Broadcast Tech Korea _26
- 9. IT Convergence _27

- 10. Dongyang Mirae University _28
- 11. Techno-Fair 29
- 12. HealthCare & Medical Devices _30
- 13. 3D Convergence and 3D Printing _31
- 14. Regional SMEs 32
- 15. IMID _34
- 16. i-SEDEX _35

IV. Result of the KES 2014

- 1. Media Coverage _37
- 2. Outcome _38

Korea Electronics Show 2015

Exhibition Outline

N a m e 46th Korea Electronics Show 2015

Venue Exhibition Center 1 (Hall No. 3 to 5), KINTEX

D a t e Oct, 14 [Wed] to 17 [Sat], 2015

S c a l e 1,500 booths representing 600 companies (including 200 overseas)

Organizer KEA

Overseas CEAC, CCPIT, CECC, HQEW(China), TEEMA(Taiwan), JESA, Chip 1 partners

 $Stop(Japan),\ JMA(Japan),\ HKTDC(Hong\ Kong),\ AEECC(Asia\ Electronics$

Exhibition Cooperate Conference), Messe Berlin(Germany), CEA(U.S.A),

RATEK(Russia), CMAI, TEMA(India), VEIA(Vietnam)

Categories Multimedia, ICT, Parts & Materials, Software, Mobile, 3D, Broadcating,

Smart Convergence, Semiconductor, Display

Application for participation

Deadline: July 30th, 2015

Participation Fee								
Category			Unit Price/ Booth(9m ²)	Note				
Foreign Companies	Space only (block booth)		US\$ 2,600	- Standard Booth (Basic):Space and				
	Standard Booth	basic	US\$ 3,200	basic materials are provided. - Standard Booth (Premium): Space and woodworking tools are provided.				
		premium	US\$ 3,800					

- * The minimum Number of Premium booth is two booths and above
- * In case that the manufacturer of displayed electronics comes from abroad, an entry fee for overseas companies is applicable





Booth Information













* The above images of booths are only for your understanding, the design and installation details are subject to change.

Discount options for entry fees

KEA Membership Discount	30% discount off the total sum payable if the applicant is a member of the Korea Electronics Association (KEA) (** Only applicable for medium-sized companies with less than 100 employees. Applicants must pay entry fees by June 26, 2015, to qualify for this discount.)
Early—Bird Discount	10% discount until March 27, 2015 5% discount until May 29, 2015
Additional Discount for VIPs	5% additional discount for medium-sized companies that have participated for three consecutive years (from 2013 to 2015)

** Discounts are applicable only for participants who pay deposits within the specified deadline period. Should discount benefits overlap, they will be applied in order

Entry Fee Payment Terms

Down payment 50% of the deposit should be paid within 15 days after applying for participation online B a I a n c e by Thursday, Aug. 13 to the full payment

How to Pay Your Entry Fee						
Bank	Account No.	Beneficiary	Swift Code			
Kookmin Bank	598668-08-100416	Korea Electronics Association(KEA)	CZNBKRSEXXX			

- ** When registering, applicants are required to pay 50% of the deposit payable within 15 days and pay the remainder by the deadline date
- ** In the case of applications registered after July 30, 2015, applicants are required to pay the full amount of the entry fee in a lump sum
- * You must send your entry fee in your company name
- * Participants are liable for remittance charges

Exhibits



- Electronic Parts & Materials (electronic parts, materials, equipment, etc.)



- Consumer (multimedia, smart home devices, small-sized home appliances, beauty & personal care products, etc.)



- ICT (ICT devices, communications devices, mobile devices, security devices, etc.)



- Software & Mobile Apps (solutions, platforms, games, applications etc.)

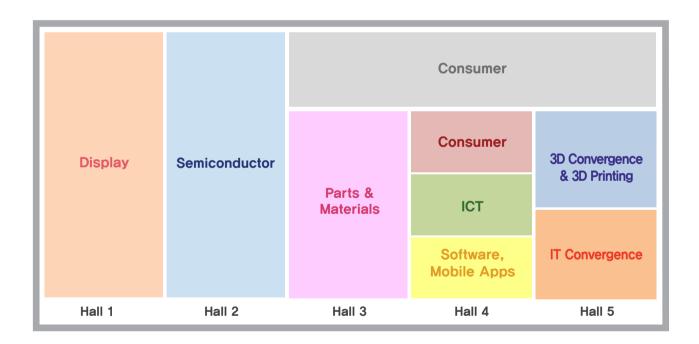


- 3D Convergence & 3D Printing (3D displays, contents etc.)



- IT Convergence (cars, medical, sports, health & beauty, etc.)

Floor Plan



Inquires

Korea Electronics Show Management Office / the Exhibition & Marketing Team of the KEA (121-835) 11th floor, 54-Gil, World Cup buk-ro, Mapo-gu, Seoul, South Korea TEL 82-2-6388-6062~7 FAX 82-2-6388-6069 E-mail kes@kes.org

Concurrent Events

Buyer/Seller Biz-Matching

 Exhibitors were matched with buyers from large Korean distributors and with foreign buyers from 20 countries, including the US,

China and the FU and the Middle Fast



- Industrial Service Merit awards, Presidential Citations, Prime Minister's Citations, etc

The 4th KES Innovation Awards

- The winners of the 4th KES Innovation Awards were chosen from the KES 2014 exhibits in three categories: New, Design and Content

Conferences and Seminars

- Expert seminars on global trends, strategic presentations on product development, etc

Lucky draw prizes: latest electronics and IT devices









Opening Ceremony for the Korea Electronics Grand Fair 2014

Kwon Oh-hyun, chairman of the Korea Electronics Association (KEA), kicked off the Korea Electronics Show (KES) 2014, saying, "I believe that now is a golden time for the electronics and IT industries" in his opening address. A slew of dignitaries from industry and academia graced the nation's largest electronics and IT festival with their presence, such as Lee Kwan—sup (Vice Minister of the Ministry of Trade, Industry and Energy), Kwon Oh-hyun (Chairman of the Korea Electronics Association (KEA) and Nam Gung—geun (President of Seoul National University of Science and Technology).

Then, the 9th Electronics and IT Day Top Contributor Awards was held to honor major contributors to taking the competitiveness of the electronics and IT industries to new heights. After a ribbon-cutting ceremony, VIP guests headed for the venue of the KES 2014 to get their hands on exhibits and check out the latest technology trends in the electronics industry. Above all, with the growth of the global smart home market, expectations were running high for smart home appliances put on display at the KES 2014,



▲Opening speech made by Kwon Oh-hyun, Chairman of Korea Electronics Association (KEA)



▲Lee Kwan-sup, the Vice Minister of the Ministry of Trade, Industry and Energy, delivers a congratulatory speech



▲Announcer Lee Se-jin hosts the awards ceremony



 \blacktriangle Huh Kwang-ho, the CEO of LIG ADP, receives a Silver



▲Jeong Pyung-suu, the Director of New Optics, receives a Bronze



▲Contributors receiving top awards



▲Commemorative Photo of Winners



 $\blacktriangle\mbox{VIPs}$ attending the 9th Electronics and IT Day Top Contributor Awards



 $\blacktriangle\mbox{Kwon listens}$ to the an explanation from LG Innotek staff members







▲ Prominent guests participating in a VIP tour of the show









Innovative products, smart technologies, latest industry trends all at the Korea Electronics Grand Fair 2014

With the opening of the KES 2014, a variety of concurrent events also took place, Nearly 30 conferences were held, such as workshops on future broadcasting equipment technologies, International Packing Symposium, Semiconductor Environment Forum and the 2014 NPR Capacity Building Workshop, In addition, exhibitors held business meetings with nearly 300 foreign buyers from the US, France, China, Vietnam, India, the Middle East, etc,

The Broadcast Tech Korea 2014, a new addition to the KES, encompassed broadcasting contents, equipment, technology demonstrations, relevant IT and broadcasting technologies. Technology workshops, aimed at steering government policies for the development of the broadcasting equipment industry in the right direction and at providing information on the latest trends in the broadcasting technology sector, was also held, setting off in-depth discussions on domestic broadcasting and audio equipment.

The nation's most promising software companies boasted their technological prowess in the Best 20 Korean Software 2014 pavilion, dedicated to the software industry which has grown in importance with the S. Korean government's push for its creative economy initiative, Featuring excellent software products and a series of lectures, delivered by software experts, the Best 20 Korean Software 2014 pavilion allowed visitors to get a glimpse of the Korean software industry's competitiveness,

What's more, the KES 2014 put up a variety of special pavilions, such as the IT Convergence pavilion (dedicated to smart convergence technologies), the HealthCare & Medical Devices pavilion (focused on the convergence of IT and the medical industry) and the Techno-Fair pavilion, thus offering insights into desirable future directions for the Korean ICT industry and into ways to develop ICTs into a future growth engine,

The nation's largest feast of electronics and IT enjoyed great popularity

Other various concurrent events for both exhibitors and general visitors, such as lucky draw events, also livened up the KES 2014. The lucky draw prizes included the latest products released by Samsung and LG (e.g. UHD TVs, LG TROMM washers and Galaxy Gear S smart watches) and season passes (worth KRW 500,000) to High 1 Ski Resort.

To the delight of visitors, a slew of giveaway events and participation-oriented events also took place, further firing up the KES 2014's festive mood, Among those were the exciting stage performances by KES Ladies "Dal Shabet;" Motion Device's Top Drift (an immersive 4-axis racing simulator offering actual in-car driving experiences); the flamboyant swing dance performances by the Night and Day (a professional dance team comprised of swing champions); Sejong I&Tech's quiz show and photo ops with Korean top models; and DTS Korea's Lucky Box Event giving away the DTS Headphone:X™.



















In the Heat of the Opening Gala Show!

A large-scale gala show was held on October 14, 2014 at Stanford Hotel Seoul to celebrate the kickoff of the Korea Electronics Show (KES) 2014. Roughly 200 people, including international buyers, CEOs of participating companies, officials from the government and municipalities, attended the gala show, emceed by Korean comedian Kim Young-chul. The gala show featured stage performances by KATA (an IT gukak (Korean traditional music) band) and Korean girl group "Dal Shabet" and lucky draw events to further spice up the KES 2014, the nation's largest feast of IT and electronics. It was a perfect opportunity for international buyers and exhibitors to develop their personal networks over dinner. On top of that, the 18 winners (products developed by 16 different companies) of the 2014 KES Innovation Awards were named in three categories — Best New Product, Best Design and Best Content.





▲IT gukak band Kata's opening performance



▲K-pop performance by Korean girl group "Dal Shabet"



▲ Exhibitors enjoying the gala show



▲Global buyers at the gala show



 $\blacktriangle \mbox{Sangmo}$ twirling catching the eyes of foreign buyers



lacktriangle Representatives from participating nations bonded through World Liquor Ceremony



lacktriangle The CEO of Sanyo Korea proposing a toast



 $\blacktriangle \mbox{Comedian Kim Young--chul}$ and a foreign buyer enjoying the gala show



 $\ \ \, \triangle$ Lucky draw events for gala show attendees

2014 KES Innovation Awards

The 18 winners (electronic and IT products developed by 16 different companies) of the 3rd KES Innovation Awards were selected by a distinguished panel of experts in three categories: Best New Product, Best Design and Best Content, Products, equipped with either up—to—date technologies or superb technological innovativeness, were named winners in the Best New Product category. The Best Design category winners were product designs that consider consumers' aes—thetic taste, ergonomic convenience and product functionality. Inventions born out of thinking outside the box were named winners in the Best Content category.

Best New Product







▲Samsung Electronics' Chef Collection Refrigerator

▲The LG Curved Ultra HD OLED TV

▲HZO InC.'s IPX7 waterproof HZO evaporator





▲Molex Korea's microSD/micro-SIM Combo Socket



▲E-Song EMC's Thermal Foam Gasket

▲Sky Media's 3D Sky 500

Best Design



▲Samsung Electronics' Crystal Blue Washer



▲ The Moneual "Cling Cling" the world's first hybrid robotic vacuum cleaner



▲ Droian Workstation LLC's Droian Workstation, a future-oriented, all-in-one ergonomic computer chair



▲The KPC's Miro Clean Pot



▲DongYang Easy-Tech's SteamBoy heating mattress



▲Daedong F&D's Drumcook



▲ Sejong I & Tech's Doctor Air TokTok



▲Kumoh Electronics' HD network camera

Best Content



▲LG Electronics' webOS operating system



lacktriangle The InBody InKids (a portable ultrasonic stadiometer)



▲S. Korea's first explosion-proof fixed-mobile data logger, developed by Korea Plant



▲SOSO's Brainno



Samsung Electronics Showcased Premium Products for Consumers

Flaunting whizzy new products and various Samsung Smart Home devices, Samsung Electronics set great store by "premium" quality products. The most attention—arresting at the Samsung booth was the Samsung 105—inch bendable UHD TV, the world's largest bendable TV that goes from curved to flat at the touch of a button. Quantum dot technology has been applied to this bendable TV to enhance color reproduction; its 'crystal black panel' allows consumers to enjoy more realistic, eye—pleasing high—resolution images.

Samsung also displayed a slew of home appliances under the theme "Creating Happier Homes."

The Samsung Chef Collection Refrigerator, designed to seal in ultimate freshness, features unique functions, such as Chef Mode and Chef Basket, to fill the user's diet with fresh ingredients. The Zipel Food Showcase found favor especially with family—unit visitors as it introduced innovative ways of storing food and family—friendly storage compartments.

Also noteworthy were the Samsung Zipel Asak M9000 (a kimchi refrigerator), the Samsung WA7000 washing machine (its patented Diamond Filter effectively removes even lint on clothes), the Samsung Blue Sky (an air purifier), the POWERbot (Samsung's most powerful, robotic vacuum cleaner), etc. Another feast for the eyes was Art Gallery, where famous European illustrators' artworks, inspired by the Samsung WW9000 Drum Washing Machine, the Motion Sync Vacuum Cleaner and the POWERbot, were displayed.

Samsung Electronics also built a Samsung smart home mock—up in its booth, with a view to helping visitors get a glimpse of how their daily lives could be enriched and made easier by Samsung Smart Home appliances. By connecting digital door locks and IP cameras with users' smartphones, Samsung Smart Home safety services let the users monitor the interior of their home remotely and receive notifications on their smartphones. Any smartphone user can take advantage of such Smart Home safety services to maintain home security wherever they are,

By putting the smart home's living room on "movie mode," Samsung let visitors have a taste of how their living room could be turned into an in-home cinema. To top it off, Samsung's Energy Manager Service is expected to help cut energy consumption and enhance energy efficiency as it shows the energy consumption of all the devices connected to the Samsung Smart Home service and calculates an estimated monthly electricity bill for the user's home,

At the smart home mock-up, visitors also tried out speech-based control of a robotic vacuum cleaner and lights via the Samsung S Voice application on Samsung's Galaxy Gear series (wearable devices), By connecting various products and services to the Samsung Smart Home service, Samsung demonstrated its continued progress in turning our imagination into a reality.

What caught the eyes of both the press and general visitors the most were Samsung's technology tours de force: the Samsung Galaxy Note 4 and the Galaxy Note Edge. The 5.7-inch Galaxy Note 4 packs a Quad HD (2,560 x 1,440) Super AMOLED display and a 16-megapixel camera with built-in optical image stabilization (OIS). The Galaxy Note Edge basked in attention as its unique curved Edge screen provides quick access to frequently used apps, alerts and device functionality all with the swipe of a thumb even when the cover is closed.





▲The Samsung Chef Collection Refrigerator promising ultimate freshness



▲The Samsung Motion Sync Vacuum Cleaner with All-in-one Multi Handle







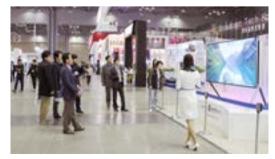
▲The Samsung Gear VR: a virtual reality headset



 $\blacktriangle \text{VIPs}$ taking a tour of the Samsung booth



▲A visitor standing in front of curved display monitors



 $\blacktriangle\mbox{Visitors}$ intrigued by the world's first Bendable UHD TV



 $\blacktriangle \mbox{Foreign}$ buyers fiddling with the Galaxy Note 4



▲The Samsung Galaxy Note 4 packs a Quad HD Super AMOLED display



LG Electronics displayed a range of strategic premium-quality products, from the LG Ultra OLED TV and the LG webOS Smart TV (a smart TV running webOS) to home appliances delivering greater convenience and "soft innovation" mobile devices.

The entrance to the LG booth was decked out with a giant digital signage, comprised of twenty 84-inch ultra HD displays. The digital signage played images of LG products enriching our daily lives with their designs, functionality and excellent video quality.

The LG UHD OLED TV took center stage at the LG booth, the world's first ultra HD OLED TV that LG had launched in August 2014, declaring the arrival of the OLED TV era following the ultra HD era. The LG webOS Smart TV, an easy-to-use TV platform considered as a game changer in the smart TV market, was also put on view.

Also on display were diverse strategic IT product lineups (e.g. 21:9 curved monitors, ultra HD monitors and all—in—one personal computers) and commercial displays for corporate customers.

LG's strategic home appliances were definitely big draws, LG unleashed varied LG-only market-leading products, such as its full lineup of premium cordless vacuum cleaner the "Cord Zero," the new LG Styler (a new-concept, space-saving wardrobe designed to refresh clothes without water or detergents) and the LG Comangs Collection (a package of LG's small-sized premium home appliances featuring luxurious lime-green designs).

Also, the LG HomeChat – a SMS-based smart home service that lets users to chat with their home appliances in conversational language – made its domestic debut at the KES 2014. Once users have made friends with HomeChat on either KakaoTalk or LINE, they can issue natural-language commands and receive status updates from LG smart home appliances simply by texting them.

What's more, LG showed off various home appliances, such as the LG MontBlanc (an air purifier), the LG Air Washer, water purifiers, etc, to draw attention from visitors, On the mobile front, LG showed wearable smart devices based on "soft innovation," At the KES 2014, LG took the wraps off the LG G Watch R for the first time in S, Korea, The LG G Watch R is the world's first wearable device to feature a full-circle plastic OLED (P-OLED) display. For its full-circle face design, the internal component design has also been optimized. What's more, its real leather strap, many say, makes the watch look more stylish.

LG also unveiled a line—up of the LG G3 family, from high—end models (e.g. the G3 Beat and the G3 A) to affordably—priced models, and the clamshell LG Wine Smart, designed especially for old folks, Last but not least, LG displayed the LG KizON for kids (a kid tracking wristband that lets parents keep track of their kids' whereabouts in real time), thereby cementing its technological leadership in the wearable smart device sector. Furthermore, to the delight of KES visitors, the LG booth provided them with varied hands—on experiences by setting up 3D Game Zone (where visitors were allowed to play 3D games in Ultra HD) and Pocket Photo Zone (where visitors wrote messages for their loved ones on the sticker—type photos printed by the LG Pocket Photo).





▲The world's first ultra HD OLED TV by LG



▲The LG G Watch R's domestic market debut



▲ Visitors watching 3D television



▲LG Booth crowded with visitors



▲A visitor going hands-on with the LG G Pad



lacktriangle A LG booth staffer explaining how LG's webOS works



 $\blacktriangle \mbox{\sc Visitors}$ going hands—on with the LG G3



▲A visitor wearing the LG G Watch



 $\blacktriangle \text{LG}\text{'s}$ premium cordless vacuum cleaner "The Cord Zero"



▲A visitor putting on a wearable device



 $\blacktriangle\mbox{\sc Visitors}$ participating in an event held at the LG booth

Hands-on with Cutting-edge ICTs

The KES 2014 was underliably a participation—oriented trade fair that offered plenty of hands—on experiences to visitors. In particular, the ICT pavilion covered a wide range of new, intriguing technologies that could be directly applied to our daily lives, from 3D actual image printing, the DJ Mixing Car and matrix photo experiences to flexible & wearable devices, home service robots and smart city technologies. The ICT pavilion served as an opportunity to show visitors how the ICT industry could enrich our daily lives and how crucial ICTs would be to speeding up the nation's economic growth in the future.

Exhibits deserving of attention included KoolSign's Big Smartphone (a large touch-based display which, just like any other smartphone, offers access to various apps and networks), HaSolnTech's high-speed scanner and Darim Vision's eStudio services for individuals.



STANCE TO SERVICE OF THE SERVICE OF

▲KoolSign's Big Smartphone





RECHARGE DATE OF THE PROPERTY OF THE PROPERTY

▲Aha I&C's electronic bulletin board

▲ HaSoInTech's high-speed scanner



▲ Darim Vision's eStudio services for individuals



▲RNware boasted its versatile wireless video transmission equipment for business and education.

Software and Mobile, the Two Main Props of the Korea IT Industry

The software and mobile sectors are important cogs in the Korean electronics and IT industry. Above all, the significance of the software industry has grown in importance day by day in line with the S. Korean government's continued endeavors for moving forward with the creative economy initiative. Against this backdrop, it is not an overstatement to say that mobile technology, the very essence of technological convergence, is the driving force behind the Korean IT industry.

The Best 20 Korean Software 2014 pavilion, a new addition to the KES, was put up to shed light on the nation's 20 most promising software companies.

The Best 20 Korean Software 2014 pavilion served as an opportunity to sound out the possibility of Korean software developers' globalization and overseas market entry. The Best 20 Korean Software 2014 pavilion was filled with a flurry of excitement and activity, such as the Software & App booth, the New Product and Technology booth, Embedded Software Job Fair, seminars on the utilization of big data analytics, the Software Innovations Awards, business meetings between exhibitors and global buyers, varied expert seminars, etc. Thus, the Best 20 Korean Software 2014 pavilion was viewed as a productive newcomer that showed the present and the future of the Korean software industry





▲ WeMB's 3D intelligent integrated control solution, capable of ▲Campung's app offering essential information for college students controlling ICT and facilities and analyzing big data

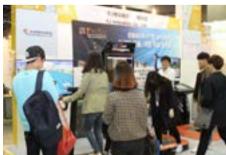




▲CEO Park Hyeon-joo of MOURIX talking about mobile security solutions



▲SystemEver's cloud ERP system



▲KJ hnovælion displayed its game & learning solution, an ICT-based exercise board 🔺 Visitors taking a ride on the 4D Circle Vision Rider



(an rafting simulator developed by HanYoung Engineering)







The Parts and Materials Pavilion. the Roots of the Korean **Electronics and IT industries**

If the fruit of a tree is finished goods, part and materials are its roots. Technologies used to produce parts and materials and a series of parts and materials production processes dictate the perfection of the finished goods. Though the names of parts and materials producers may have sounded somewhat unfamiliar to general visitors, lots of global buyers spend most of their time at the Parts and Materials pavilion, which had more booths and exhibitors than any other pavilion at the KES 2014. The nation's leading purveyors of parts and materials flaunted their top-notch technologies and products.

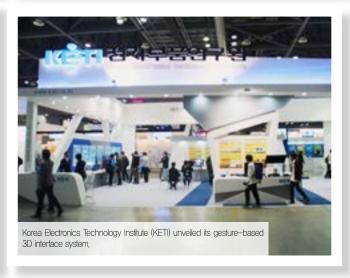
Large companies' technological prowess, as usual, was impressive: LG Innotek showcased the world's first 16-megapixel camera module and Samsung Electro-Mechanics continued to unveil world firsts in the ultra small and ultra high capacity sectors. Not to be outdone, small and medium-sized Korea companies showcased their technical tours de force.

AD POWER displayed its NEP-certified wattmeter, also one of the World-Class Products of Korea (which have been designated annually by the S. Korean government since 2001). DY DIODE, the No.1 producer of diode bridges in China by volume, also exhibited at the Parts and Materials pavilion, juicing up the nation's largest electronics and IT festival,











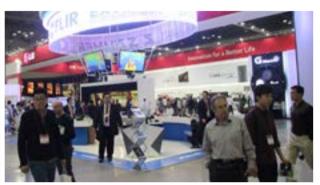
▲ Molex Korea's microSD/micro-SIM Combo Socke



▲ Hans Laser, a producer and vendor of industrial laser equipment



lacktriangle The Broker Forum, the electronic components industry's largest online trading marketplace



▲JEILMI, a leading Korean manufacturer of power analyzers



f A Hip Lik Packaging (a global clear plastic box producer that has branches in the EU, the US, Japan, S, Korea, etc.)



f MornSun, a US-based leading manufacturer of AC/DC converter, DC/DC converter, etc



 $\blacktriangle \mbox{KNC, a producer of protective films}$



▲WOOIL FA, the No.1 supplier of soldering equipment



▲Almus International, developer of the world's first variadium conductive glass

The Consumer Pavilion for a More Convenient Life

Innovative IT-based products, developed in consideration of consumers' lifestyles, make our lives more convenient and easier. A variety of products, designed to transform and enrich consumers' lives, featured in the Consumer pavilion, The Droian Workstation, a new-concept all-in-one ergonomic computer chair designed to enhance work efficiency, is the epitome of the convergence between IT and furniture. The Droian Workstation is also a space-saving furniture solution since it comes with a built-in table and monitor mounts. Action camera maker GoPro unveiled its new product "HERO4." which comes with a faster processor and better picture quality than its predecessor "HERO3+". Another standout was DongYang Easy-Tech's SteamBoy, a hot-water heating mattress, which is 100% domestically produced. Visitors were allowed to seat on SteamBoy heating mats to feel the warmth firsthand. DTS Korea, a pioneer in the high-quality, multi-channel audio system sector, showcased the DTS Headphone:X™, a next-generation stereophonic sound system that delivers sounds comparable with the acoustics of an audio mastering studio, Many said it really made the experience of wearing headphones sound like they were in a room full of loudspeakers even though the sound was coming out of the headphones pressed against their ears. The DTS Headphone: X has been viewed as pioneering headphones that let consumers enjoy the work of an audio production studio from the comfort of their home. Also on display were Sky Media's multi-view glasses-free 3D displays, Sejong I & Tech's USB-powered "The Doctor Air TokTok" (a small-sized air purifier), KPC's aesthetically-pleasing floating humidifiers and aromatherapy diffusers, etc.





▲GoPro's compact cameras and action cameras



▲Dong Yang Easy-Tech's SteamBoy heating mattress



▲FLRS),stems Karea, the worlds No.1 maker of industrial thermographic cameras



▲Sky Media's latest glasses-free 3D UHD TV



▲The Droian Workstation, an IT convergence chair, attracted many visitors



▲A visitor going hands-on with DTS Korea's product



▲ Nautilus Lab's tablet computer with a stylus



▲The Moneual "Oing Oing" the world's first hybrid robot vacuum deaner



▲ Nikon Imaging Korea's Nikon Moving Studio

The Premium Home Appliance Pavilion

Visitors to the KES 2014, especially homemakers, headed for the Premium Home Appliance pavilion in droves, Daedong F&D's the DrumCook, which promises a hassle-free way of frying food, appealed to not only housewives but also visitors living alone. The DrumCook, a steam oven that doubles as a roaster, found favor with housewives, people living alone and campers who want smell-, splatter-free cooking experiences. The world's first portable guitar learning device was also on view: SOUND-Q's portable LED guitar learning device.

In addition, the top three winners of the Ministry of Trade, Industry and Energy (MOTIE)'s 2014 Small Home Appliance Contest were on view: HomElec's cordless massager, Cuckoo's air—purifying dehumidifier and Chunglim Aqua's Aqua Sweeper. Also noteworthy were Grentech's water sterilizers and Windamp's cross flow fans,





▲VIPs sampling a dish cooked by Daedong F&D's The DrumCook



▲HomElec's cordless massager



 \blacktriangle Grentech's eco-friendly sterilization systems



▲ Visitors getting their hands on exhibits at the Premium Home Appliance pavilion



▲Chunglim Aqua's Aqua Sweeper

Broadcast Tech Korea 2014

The nation's leading manufacturers of broadcasting equipment exhibited in the Broadcast Tech Korea 2014, an experience—oriented exhibition dedicated to broadcasting equipment and technologies. The Broadcast Tech Korea 2014 set up several special pavilions, such as the Domestic Broadcasting Equipment pavilion and the Broadcasting Technology pavilion, to let visitors get their hands on broadcasting equipment, Highlighting the glitzy stage performances by Korean girl group "Dal Shabet," the Broadcast Tech Korea 2014 unleashed more novel IT and cultural contents than ever before,

At the domestic broadcasting equipment pavilion, a special stage was installed by five Korean companies (Kirin Precision Co., Daikyung Vascom, Thunder Technology, Inter-M and Kevic) to help visitors enjoy professional sound systems and flamboyant LED lights through various stage performances, especially by Korean girl group "Dal Shabet" and IT gukak band Kata,

A total of 20 Korean companies exhibited in the digital broadcasting equipment pavilion to show off their broadcasting contents, equipment, technologies. Meanwhile, presentations were made on 15 different topics at the broadcasting technology pavilion to introduce new products and new technologies and to explain the latest technological trends in the Korean broadcasting equipment industry.

In addition to the Forum for Mutually-reinforcing Cooperation in the Broadcasting Equipment Industry (aimed at encouraging sustainable cooperation between manufacturers and buyers), business meetings between exhibitors and foreign buyers from countries preparing for the digital switchover (or analog switch-off), such as Vietnam, Thailand and Cambodia, also took place.

On top of that, the Broadcast Tech Korea 2014 arranged business meetings between exhibitors and officials from the organizing committee for the Pyeongchang 2018 winter Olympics in a bid to boost exhibitors' chances of becoming official supplier of broadcasting equipment to the Pyeongchang 2018 winter Olympics.



산 방송장비 특











The Convergence Pavilion Mirrored One of the Hottest Trends of 2014

Experts are united in saying that the hottest trend sweeping the electronics and IT industries last year was "convergence," Concurring with their view, visitors flocked to the Convergence pavilion, where numerous companies measured up to visitors' high expectations with their novelties,

Kumoh Electronics, a leading IP network camera maker, showcased its latest IP network surveillance camera, saying "no worries" over blind spots, In addition, Soso H&C's Brainno, a convergence medical device that uses brainwave sensors to enable brain fitness, was one of the 2014 Best Design Award winners. The Convergence pavilion's highlight was the Ninebot at the Starfleet booth. The Ninebot, an electric personal transporter controlled by shifts in the driver's center of gravity, has already caught on as a means of transportation, especially for everyday commutes, in the EU, China, etc.

Power Plaza showcased the nation's first light commercial electric vehicle, its high-speed electric vehicle prototypes and relevant parts. And the Inter-industry Convergence pavilion was packed with a group of companies, selected as leaders in industrial convergence by the Korea Institute of Industrial Technology (KITECH). Alton Sports, the only Korean bicycle manufacturer to be capable of producing one million units at its own plant, showed off its latest electric bicycles. Other standout exhibitors were Hidea Solutions (a Korean developer of IoT-based telecare services especially for elderly people living alone) and InBody (which displayed the InKids, a portable ultrasonic stadiometer).

















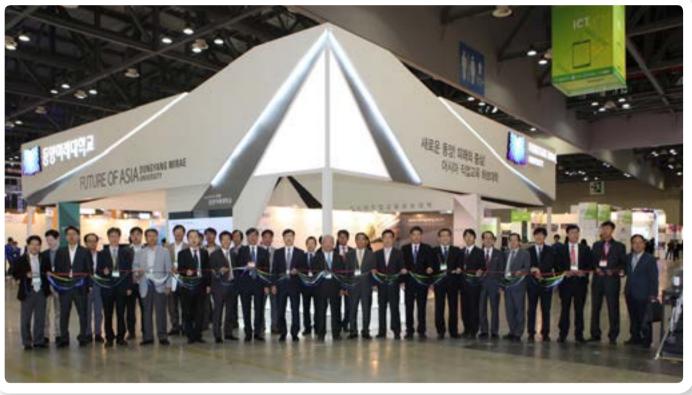
Hub of Vocational Education in Asia Generator of Creative Talent.

Dongyang Mirae University!

Under the vision "Hub of Vocational Education in Asia," Dongyang Mirae University, an industrial technical college in Seoul, has strived to establish itself as a vocational school armed with international competitiveness and to provide students with a differentiated educational environment,

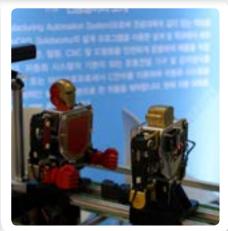
As part of such efforts, Dongyang Mirae University has participated in the KES for 11 consecutive years, showcasing numerous products made by co-curricular student clubs (e.g. ICES MAS intelligent robots, smart car technologies). Dongyang Mirae University has also held Dongyang Mirae Expo (an exhibition of work by graduating students), drawing great attention from visitors.











The Best and the Brightest Exhibited in the Techno-Fair Pavilion

Only 25 of Korean universities seeking to commercialize their technologies were given the opportunity to exhibit in the Techno-Fair pavilion at the KES 2014. The 25 exhibitors gave priority to disclosing recently patented technologies, with a view to promoting joint researches between industry and academia, technology transfer and technology commercialization.

Students from each participating university showed off their robots and apps, drawing much attention from visitors. A total of 76 inventions were displayed in the Techno-Fair pavilion, such as subway navigation systems, real-time facial recognition devices and time to digital converters (TDCs). Seventeen university labs, including Kwangwoon University's HoloDigilog Human Media Research Center and Sungkyunkwan University's VADA (VLSI Algorithmic Design Automation Lab), were selected as Star University Labs in industry-academia R&D cooperation.

Inje University went public with its ongoing research project at the KES 2014. Inje University said that it had designed an IPMC (Ionic Polyner Metal Composite)—based renewable energy generator (which harnesses energy from ocean currents) and was developing a technology to transmit and store the energy obtained by the renewable energy generator.

Korea University also made brag of its text input software for smart watches, a direction—sensing text input system that is not based on the standard QWERTY keyboard layout, Korea University was confident that its direction—sensing text input system would be grafted onto smartphones,

Participating universities also provided visitors with hands—on experiences with their technologies; professors and researchers were actually present at their university booths to engage in business meetings with buyers. Universities that cleverly came out with technologies, which they had developed, targeting specific companies and closely observing market needs, took home great results.

Producers of skin care products took an interest in Kwangwoon University's already—commercialized atmospheric—pressure plasma zet, developed for medical or biological purposes. Thanks to lots of buzz over electronics giants' rollout of varied smartwatches, such as the LG G Watch R, Korea University's direction—sensing 'smartwatch text input system,' which challenges the standard QWERTY keyboard layout, also caught visitors' attention.

The presence of the nation's tech-savvy universities, including Sejong University, Yonsei University, Sungkyunkwan University, Sogang University and Pusan National University, definitely added some extra sheen to the KES 2014. The excellence of their inventions was demonstrated, letting people paint a rosy picture about the future of the nation's electronics industry. And things seemed to be looking up for brisk technology transfer between academia and industry.









Sungkyunkwan University's VADA (VLSI Algorithmic Design Automation Lab) was chosen as one of the Star University Labs in industry—academia R&D cooperation



An official from Keimyung University having a business meeting with foreign buyers



The HealthCare & **Medical Devices Pavilion**

Population aging has put the medical equipment industry on the fast track to growth, Hence the KES 2014 newly set up the HealthCare & Medical Devices pavilion in a bid to soup up the domestic medical equipment industry and thus help the Korean government achieve its goal of nurturing the nation into the world's 7th largest producer of medical equipment at an earlier date,

Seoul National University Bundang Hospital's mobile hospital (a bus packed with cutting-edge medical equipment) was parked at the HealthCare & Medical Devices pavilion to show off world-class medical services offered by noted doctors.

The HealthCare & Medical Devices pavilion, shared by roughly 20 domestic suppliers of electronic medical equipment, showcased approximately 100 domestic premium-quality medical devices, including Lutronic's medical lasers (which had received the thumbs-up from nearly 3,000 health professionals nationwide), Jawon Medical's automatic blood pressure monitors, Daiwha Corporation's infusion pumps and Mediana's patient monitors.

While Lutronic and MEK-ICS held career fairs, major Korean hospitals held expert seminars on various issues, such as Koreans' biometric data, welfare IT in the face of population aging and childhood obesity management projects, There were also technical presentations on excellent biotechnologies and medical devices, Such seminars and presentations allowed health professionals to contemplate and discuss ways to take the medical industry to new heights.



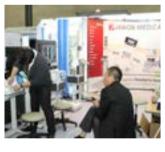








a homegrown technology developed by MEK-ICS blood pressure monitor



▲The world's only high-flow respiratory support, ▲A visitor trying out Jawon Medical's automatic







▲A visitor going hands—on with products developed by the Korea Research Institute of Standards and Science (KRISS)

pumps and electrical surgical apparatuses

All about 3D & 3D Printing

Converging with other industries, such as movie, construction, medicine and contents, the 3D industry has grown fast, emerging as a new growth engine. At the 3D Printing Experience Zone, visitors were given opportunities to go hands—on with 3D modeling and 3D printing. One of the highlights of the World 3D Expo 2014 was 3D Eye Pictures' Aquarium Bus, a digital aquarium fitted into a modified 45—seater bus, The Aquarium Bus is the nation's first mobile hands—on educational service system that is based on a 4K UHD 3D interactive multi—touch, multi—display system.

The Mocom Plex – the world's first high-definition 3D theater system that has patents issued by approximately 40 nations including the US, the UK, India, China, Japan and S. Korea – was another huge draw that made both VIPs and general visitors linger.

Feasting their eyes on the remarkably vivid and dynamic 3D images at the Mocom Plex visitors had a truly memorable 3D experience. And 3D technologies held by Korean SMEs, who had independently obtained expertise in the 3D sector, were also quite impressive.

Everything about 3D and 3D printing was found at the KES 2014, from the World 3D EXPO 2014 (the nation's largest 3D convergence exhibition), 3D printers and hands—on experiences with 3D printing to 3D seminars and Global 3D Tech Forum Symposium 2014.

























The Regional SMEs Pavilion

Promising high—tech SMEs that are based in the provinces exhibited in the Regional SMEs pavilion, showing their growth potential enhanced by industry—academia cooperation and technology transfer. In the Regional SMEs pavilion, comprised mainly of the Incheon Information Service (INIS) booth, the Goyang Industry Promotion Agency booth and the Busan Technopark booth, various regional SMEs introduced their independently developed technologies and shared information with each other.

1) Incheon Information Service

Ten up-and-coming Incheon-based SMEs, including 3D printer producer David Motion Technology, clustered together in the Incheon Information Service (INIS) pavilion. Attention-grabbing exhibits included computer numerical control (CNC) milling machines, laser marking devices, 3D printers by David Motion Technology and Gunpodo's Common Sense Brunch (an app that helps users keep abreast of current affairs and general common sense).

2) Goyang Industry Promotion Agency

The booth for Goyang Industry Promotion Agency, an incubator of cutting-edge industries (e.g., IT, software and broadcasting), was comprised of 10 regional SMEs, including YuminST, PK LNS and BlueSoft. They displayed ICT interactive boards, liquid-sensing films and 3D projection mapping technology, etc.

(3) Busan Technopark

The Busan Technopark booth was made up of nine regional SMEs, including Seodong Medical (which showcased its Nurieye, a globally patented therapeutic eye massager, developed for the treatment of dry eye syndrome) and SUNJE Electrostatics (a leading manufacturer of static ionizers).

By exhibiting in the Regional SMEs Pavilion under the auspices of municipalities and varied SME support programs, SMEs earned the opportunity to have the excellence of their various technologies and products recognized. Furthermore, regional SMEs, who had found it difficult to market their products, enjoyed great opportunities to promote their products and discuss the commercialization of their technologies with the industry.







Overseas Companies and Foreign Buyers Thronged into the KES 2014

Despite the global economic downturn, the KES 2014, aimed at revving up the electronics and IT industries' global expansion, joined forces with 22 countries and succeeded in attracting global companies and influential buyers, thereby further raising the profile of the S. Korean electronics and IT industries,

A delegation of Chinese buyers from telecom operator China Telecom, home appliance maker Haier, consumer electronics maker Changhong, Mobile Huawei and Japanese buyers from global carmaker Toyota, Panasonic and so forth paid a visit to the KES 2014 to see Korean companies' technology-intensive whizzy new products,

Influential intentional buyers from nearly 20 nations flocked in droves to the KES 2014, including the Middle Eastern delegation (comprised of buyers from distributors of electronics and IT products (e.g., Sharaf DG (the largest electronics retail chain in the Middle East)) and importers of healthcare and home entertainment products); representatives from the Russian Chamber of Commerce in S. Korea; a delegation of buyers from large Japanese companies; buyers from China's top 100 IT companies; a delegation of Filipino distributors; and buyers from Southeast Asian nations.

Foreign companies' participation in the KES 2014 also stood out. Molex, a leading supplier of connectors and interconnect components, which runs 40 manufacturing plants in 16 countries and 25 research centers in 15 nations around the world, showed off its technologies at the KES 2014, And SanyoDenki showcased its unique servo motors and UPS products.

Korean buyers who wanted to source affordably-priced, high-quality electronic and IT parts, as usual, headed for the 50-booth Chinese Parts and Materials pavilion, an annual fixture in the KES.

In addition, the KES 2014 bent over backwards to lay the groundwork for participating domestic companies to break into overseas markets. The KES 2014 provided exhibitors with real-time access to a wide range of information on visiting global buyers (from nationality, company name and job titles to official websites, areas of interest and track records in business with S. Korea) and with URLs of sites where information on visiting global buyers was available.

To top it off, the KES ran the Real-Time Buyer Matching Program, designed to help participating domestic companies have one-on-one business meetings with international buyers with ease. Such efforts resulted in nearly 3,000 foreign buyers' attendance at the KES 2014, 200 of which actually met with domestic exhibitors through multidirectional buyer-seller matching services to negotiate deals worth USD 1,8 billion.









The World's Best Display Technologies at the iMiD 2014

Display panels (e.g. LED, OLED, flexible, touch displays), display parts, materials and equipment were displayed at the 2014 International Meeting on Information Display (iMiD) 2014. Exhibitors also held one—on—one business meetings with invited foreign buyers to make the most of their participation in the iMiD 2014, Among the exhibitors were Samsung Display and LG Display, two of the nation's leading display manufacturers.

Samsung Display showcased high-definition curved TVs; monitors offering a more immersive viewing experience; the world's largest 105-inch bendable UHD TV; the 5.7-inch Galaxy Note packing a QHD(2,560X1,440) Super AMOLED display; the Galaxy Note Edge, etc.

Not to be outdone, LG Display showed off UHD LCD TVs in varied sizes from 55 inches to 105 inches; 65-inch and 77-inch UHD OLED TVs; curved large LCD TVs; OLED line-ups; Quad HD displays for smartphones; WQHD (Wide Quad HD) monitors; Quad HD displays for laptops, etc.

Merck, a pioneer in the field of LCD technology, displayed LCDs used for next-generation display modes; high-purity high-reliability OLED materials; the Merck licrivision™ technology (liquid crystal window technology (LCW) that optimizes sunlight and thermal radiation impinging on modern glazed surfaces and thus conserves energy).

In addition, Merck also presented electronic materials for high-performance, low-power SoCs with greater memory capacity and advanced integrated circuit (IC) technologies – for instance, Merck Smart Energy Glass Technology (MSEGT); ultraviolet polymer synthesis and blending technology; encapsulation and silicon chemistry (Si-Chemistry); new surface materials; phase separation; nanotechnology; the insulation of processors and memory chips; and anti-reflective coating. By presenting such technologies, Merck furnished new insights into how to take display technologies to the next level in the future.

What's more, various themed pavilions, like the one dedicated to the winners of the 14th Information Display Awards and the Touch pavilion and the Smart Display pavilion, were put up to allow visitors to have hands-on experiences with various displays,















The International Semiconductor Exhibition (i-SEDEX) 2014

Organized by the Korea Semiconductor Industry Association (KSIA) and the Consortium of Semiconductor Advanced Research (COSAR), the International Semiconductor Exhibition (i-SEDEX) 2014, the nation's largest exhibition dedicated to semiconductors, offered visitors the chance to have a comprehensive view of latest semiconductor technologies in and out of the nation. A total of 128 companies from four countries put up 420 booths, including the nation's leading semiconductor producers (e.g. Samsung Electronics, SK Hynix) and global companies like STMicroelectronics and Ulvac.

The iSEDEX 2014, the largest semiconductor exposition in S. Korea, was held on the sidelines of the KES 2014 to showcase the nation's world-best memory semiconductors and excellent SoCs under one roof. On display at the iSEDEX 2014 were state-of-the-art semiconductor devices, equipment, materials and other peripheral devices (including fabless manufacturing). In particular, next-generation products, such as 3DVNAND, 8GB LPDDR3 mobile DRAM and 10 nano 64Gb MLC NAND flash memories, received great attention.

Technology seminars, trade consultations and recruitment presentations also took place. Technology seminars revolved around education on semiconductor equipment safety standards and ISMP (Information System Master Plan); all of the nation's large semiconductor manufacturers made recruitment presentations to inform prospective job applicants of how to apply for job openings and of their recruitment schedules. Above all, System—Semiconductor Cooperation Day was designated to facilitate one—on—one business meetings between SoC companies and system companies.

Furthermore, 23 international buyers from 11 foreign companies and 49 officials from domestic companies held business meetings to discuss deals worth approximately USD 200 million,













With attractive lucky draw prizes (e.g. Samsung and LG electronics devices, season passes to High 1 Ski Resort) up for grabs, the KES encouraged visitor participation

The KES 2014's participation-oriented exhibition style received great reviews from visitors. Exciting stage performances by Korean girl group "Dal Shabet" and rock bands wowed visitors at the Broadcast Tech Korea 2014.

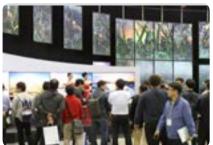
Also, the 3D Printing Experience Zone, the 3D Content Experience Zone, the Medical Equipment Experience Zone, the Healthcare Experience Zone broke down the barrier between exhibit and viewer and created an environment that was supportive of hands—on, tactile exploration. Besides, large companies, such as Samsung Electronics, LG Electronics and SMEs also set up experience—oriented zones — for instance the Samsung Smart Home mockup, In particular, the 3D Content Experience Zone was so popular that visitors had to stand in a 100—meter queue to get their hands on 3D contents.

Other various concurrent events for exhibitors and general visitors, such as lucky draw events, also livened up the KES 2014. The lucky draw prizes included latest products released by Samsung and LG (e.g. UHD TVs, LG TROMM washers, G Pad tablets, Zipel kimchi refrigerators and Galaxy smartphones) and season passes (worth KRW 500,000) to High 1 Ski Resort.

To the delight of visitors, exhibitors also rolled up their sleeves to heat up the KES 2014's festive mood. Motion Device installed the Top Drift (an immersive 4-axis racing simulator offering actual in-car driving experiences) to let visitors play beta versions of car racing games. Also, Fit,Life, the developer of the Fitmeter (a wearable fitness tracker), organized the flamboyant swing dance performances by the Night and Day (a professional dance team comprised of swing champions) to entertain visitors.

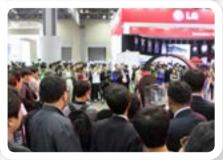
Sejong l&Tech invited famous Korean models to its booth to host a quiz show and offer visitors free photo ops with beautiful models. Meanwhile, DTS Korea held Lucky Box Event, Visitors who had correctly guessed the DTS event box's pin number merrily took home DTS Headphone: X™.















MEDIA COVERAGE

South Korea's three largest national television networks - MBC, KBS and SBS - gave prime-time coverage of the KES 2014 and other major domestic newspapers and online media outlets also heavily covered the KES 2014, such as The Chosun Ilbo, The Joongang Ilbo, The Dong-A Daily News, The Korea Economic Daily, The Maeil Business Newspaper, The Electronic Times, The eToday, The eDaily, The Financial News, The Newsys, The AJU Business Daily, The Seoul Economy Daily, The Economy Today, The Newspim, The Economic Review, The eBuzz, The Kyeonggi Ilbo, The Korea Industry Daily, The MoneyToday (MT), The Asia Today, The inews24, The Hwankyeong Ilbo and Bizwatch.

Also global media outlets, including Reuters, The Wall Street Journal, The Boston Herald, The UBERGIZMO, The China Daily, The Today Online, The Korea IT Times, YAHOO News, Fox business, Korea World Radio, etc., closely followed the KES 2014, In total, the KES 2014 had nearly 500 mass media exposures,



Outcome of the Korea Electronics Grand Fair 2014











Exhibition Title

The Korea Electronics Show (KES) 2014

Date and Venue

Date : October 14 (Tue) - 17 (Fri) 2014, 10:00~17:00

Venue: KINTEX Exhibition Center I in Ilsan

I Theme

Worldwide Creative & Comprehensive IT Show

Exhibition Scale

Scale: 53,541 m² (Hall 1 -5 at KINTEX Exhibition Center I) Exhibitors: 778 companies (591 domestic and 187 foreign) Turnout: 58,162 visitors (54,999 domestic, 3,163 foreign) Value of deals discussed: Approximately USD 1.8 billion

Participating countries

Korea, China, Japan, Taiwan, Hongkong, Philippine, Singapore, Vietnam, Malaysia, Indonesia, UAE, Kuwait, Qatar, Saudi Arabia, USA, Canada, Germany, Hungary, France, Sebia, Austrailia etc.

Exhibition Category

Cutting-edge home appliance, information technology, display, electronic parts, software, 3D, broadcasting equipment, medical equipment, etc.

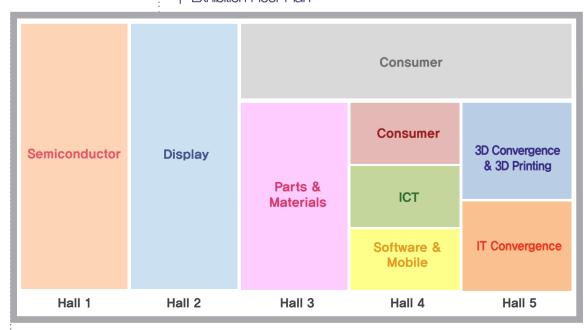
Host and Organizer

Hosts: Ministry of Trade, Industry and Energy (MOTIE)
Ministry of Science, ICT and Future Planning (MSIP)
Gyeonggi-do Provincial Government

Organizers: Korea Electronics Association (KEA)

Korea Semiconductor Industry Association (KSIA) Korea Display Industry Association (KDIA)

Exhibition Floor Plan



| Concurrent Events

A total of 30 side events were held,

including the technology workshop on future broadcasting equipment the seminar on 3D printing technology and industry-tailored applications the 3rd Korean Biometric Data Forum

the seminar on welaf re IT in the afce of population aging the seminar on 3D printing, modeling and application platform for childhood obesity management systems the iMiD Display Business Forum 2014

the seminar on electronic packaging materials and process reliability the presentation on safety standards for semiconductor equipment the seminar on semiconductor market trends the ISMP-IAAC 2014

the seminar on the saefty of semiconductor and display environments the seminar on the development of an integrated

the forum for mutually-reinforcing cooperation in

the broadcasting equipment industry

the presentation on NTB (National Tech-Bank) technology transfer the bio and medical equipment sectors

the presentation on 3D printing applications by industry



Business meetings with buyers from roughly 20 Countries, including the US, France, China, the Middle East, Vietnam, India, Japan, etc., took place.

Events

Electronics and IT Day Top Contributor Awards
The 2014 KES Innovation Awards
The KES 2014 Gala Show (a gala dinner with invited global buyers)
Matrix Photo Experience Zone
The Motion Device "Top Drif" Experience Zone

'Music performance by KES Ladies "Dal Shabet"
Free prize draw for a chance to win season passes to High 1 Ski Resort Lucky draw events for visitors













KOREA ELECTRONICS SHOW 2015

