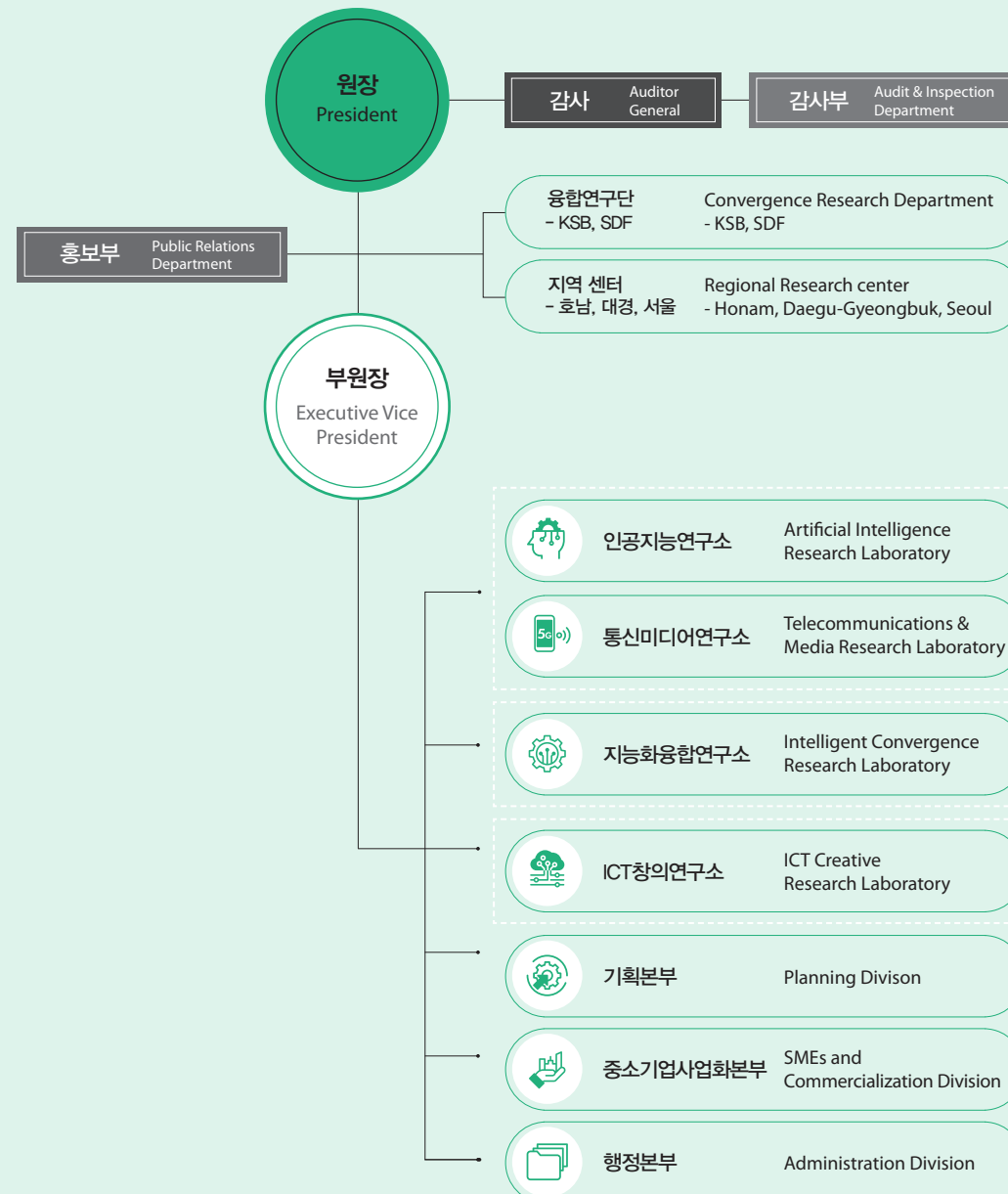


ORGANIZATION

조직도



1부원장 4연구소 3본부 2단 3센터 1부

1 Executive Vice President, 4 Research Laboratory, 3 Division, 2 Research Department, 3 Research Center, 1 Department

GLOBAL R&D COOPERATION NETWORK

글로벌 R&D 협력 네트워크



- | | | |
|---|--|--|
| ETHIOPIA
Adama Science & Technology University
SWISS
ETH Juelich / AOneSat
FRANCE
owind / ETSI / Egidie / Secure-IC / CNRS / Eutelsat S, A / CNRS / Rhodia / Sigfox
GERMANY
Fraunhofer HHI / Fraunhofer IAF / Fraunhofer-Heinrich Hertz / Institute / UNIVERSITÄT ZU LÜBECK / Rohde&Schwarz / X/FAB / MERCK / BOSCH / Fraunhofer Institute for Telecommunications / BMW / Julich / ESCRYP
BELGIUM
EpiGal nv
ISRAEL
ARO Volcani Center / Design Art Networks / FINLAND
KAZAKHSTAN
Transtelecom / IGITC(International Green Technologies & Investments Center)
ITALY
SIM2 BV
PALESTINE
An-Najar / National / University
KENYA
Postal Corporate of Kenya / Baringo / Country Government
INDIA
CDAC / Sagacious Research Pvt Ltd / Saankhya Labs Private Limited
VIETNAM
Viettel / UET-VNU / Ton Duc Thang University
MALAYSIA
MYANMAR
Miyae / UCSY(University of Computer Studies, Yangon) / West Yangon Technological University / Ministry of Education
TAIWAN
INDONESIA
Researchwite Knowledge / Solution Pvt. Ltd. / Ministry of Communication and Information Technology / NCCA/National Cyber & Crypto Agency of Indonesia)
RUSSIA
JSC Radiophysika / JSC Apex / ITAE RAS / Russian Academy of Science | SPAIN
UPV Universitat Politècnica de València / EHU University Basque Country
MONGOL
MUST / MITZ
JAPAN
RIKEN / Morita Tech / Zeon / Konica Minolta / NHK / DNP & DNP / Heartwell / Novatech & Sharp
CANADA
IP Cube Partners / University of Saskatchewan / CRC Canada / UHN
MERCK / BOSCH / Fraunhofer Institute for Telecommunications / University of Waterloo
IRAN
ETHIOPIA
Ministry of Science and Technology / Adama Science and Technology University
BRAZIL
PAKISTAN
Information Technology University
CHILE
CHINA
Tongji University / TSMC / Beijing Jiaotong University
POLAND
Warsaw University of Technology / PUT
BULGARIA
IOMT-BAS
ZIMBABWE
GHANA
Council for Scientific and Industrial Research
NETHERLANDS
WLR
NORWAY
Sintef Ocean AS(MARINTEK)
AUSTRALIA
University of South Australia / University of Queensland / University of Wollongong
USA
University of Texas Austin / University of Washington / University of California Riverside / Texas A&M / Rutgers / MGH / Harvard University / Georgia Tech / CSU/SDSU / University of California Davis / University of California dan Diego(UCSD) / Indiana University / Virginia Tech / Arizona State University / Columbia University / University of Colorado, Boulder / Massachusetts | Institute of Technology(MIT) / University of California Los Angeles (UCLA) / Qualcomm / University of North Carolina at Charlotte / Houlihan Lokey / Avanci, LLC / IBM corp. / Farjami & Farjami LLP / AIM IP / SIGMA DESIGNS / Sinclair Broadcast Group Inc. / FMSARCOR / NVIDIA / Dolby Laboratories, Inc. / Via Licensing Corporation / University of Connecticut / IEEE / Rutgers University / KBRI / Purdue University / San Jose State University / Space Systems/Loral INC. / South Dakota State Univ. / Google / BOEHRINGER INGELHEIM / Space Systems/Loral / Nihau Sectrum Corp. / Apple / IPVA LUE Management Int / APX / PMC-sierra / Cryptography Research Institute / Vanguard Video / AMD / Sedicii Innovations Ltd / Intel / Open Networking Foundation(ONF) / Via Licensing / ICAP / Argonne National Laboratory / Endolyne Inc. / Netlist Inc. / SEMTECH / University of Oklahoma / Arizona State University
UZBEKISTAN
Tashkent University of Information Technologies / JSC Uzbek-telecom
RWANDA
Rwanda Information Society Authority / Ministry of Infrastructure
TURKEY
PTT
NICARAGUA
ENATEL
TAJIKISTAN
Technological University of Tajikistan
JORDAN
Ministry of Information & communication Technology
THAILAND
Royal Thai Air Force / Guru Square Co., Ltd.
PAKISTAN
Pakistan Post / ITU
REPUBLIC OF SOUTH AFRICA
SENTECH SOC LTD / AFRIKO HOLDINGS PTY LTD
GABON
National Agency of Digital Infrastructures and Frequencies |
|---|--|--|

- ETRI BEIJING R&D CENTER: Room 2011, Air China Plaza, 36 Xiaoyunlu, Chaoyang District, Beijing 100027, CHINA Tel : +86-10-8447-5215
- ETRI US R&D CENTER: 3003 North 1st Street, Suite 338, San Jose, CA 95134, USA Tel : +1-408-519-5793

34129 대전광역시 유성구 가절로 218 Tel. 042.860.6114 / Fax. 042.860.5848 www.etri.re.kr
218 Gajeong-ro, Yuseong-gu, Daejeon, 34129, KOREA



NATIONAL AI RESEARCH INSTITUTE MAKING A BETTER TOMORROW



ETRI

VISION

비전

미래사회를 만들어가는
국가 지능화 종합 연구기관
NATIONAL AI RESEARCH INSTITUTE
MAKING A BETTER TOMORROW

앞서가는 ICT, 보다 나은 세상 함께 하는 ETRI
Your Trusted Partner, Leading ICT,
Creating a Better Future

MANAGEMENT PRINCIPLE

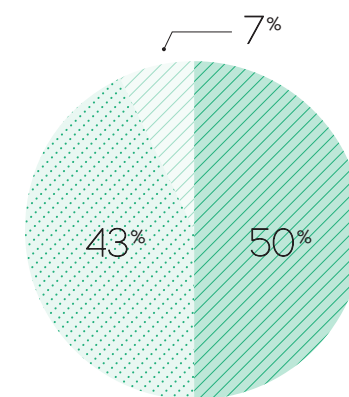
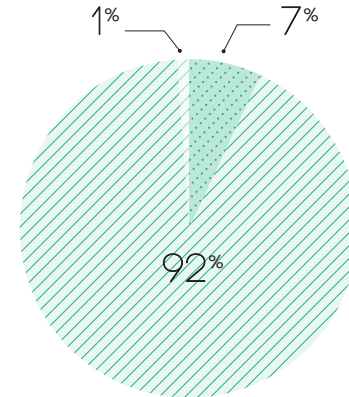
경영목표



PERSONNEL

인원현황

2019.08.30 현재기준
As of end of Aug. 2019



총 인원
Total

2,262 명
person

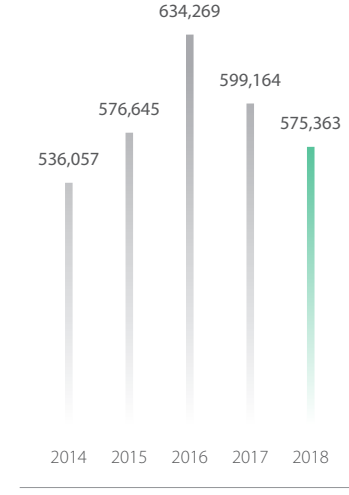
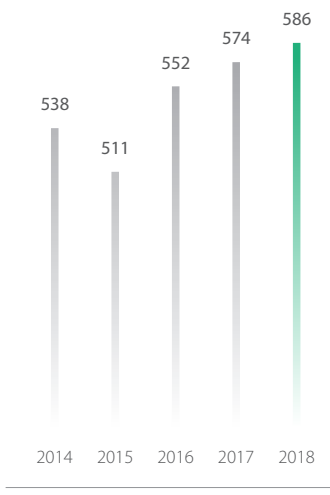
- 임원·행정직 : 166명
Board Member / Administrative Staff : 166
- 연구·기술직 : 2,073명
Research / Technical Staff : 2,073
- 실무지원직 : 23명
Support Staff : 23

- 박사 : 1,115명
Doctoral : 1,115
- 석사 : 981명
Master : 981
- 학사이하 : 1,166명
Bachelors : 1,166

PROJECT STATUS

과제 수행실적

5년간 누적
2018년 말 기준
Total of past 5 years
As of end of 2018



과제 수
No. of Project

2,761 개
cases

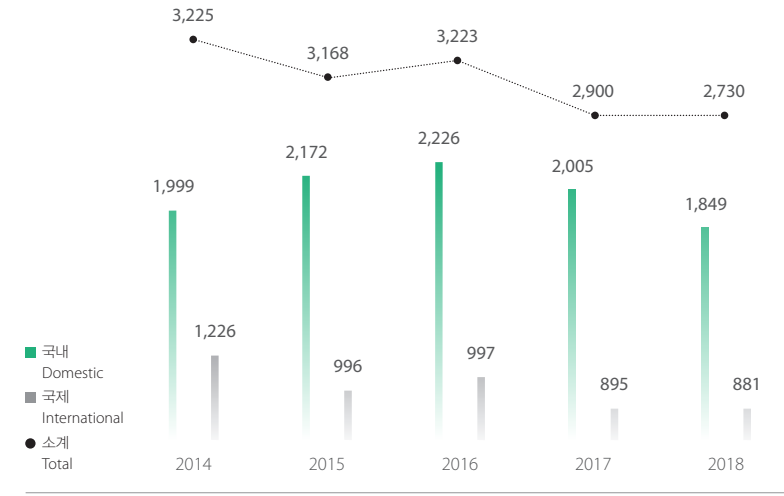
연구비(평균)
Budget(average)

584,299 백만 원
million won

PATENT APPLICATION

특허출원

5년간 누적
2018년 말 기준
Total of past 5 years
As of end of 2018



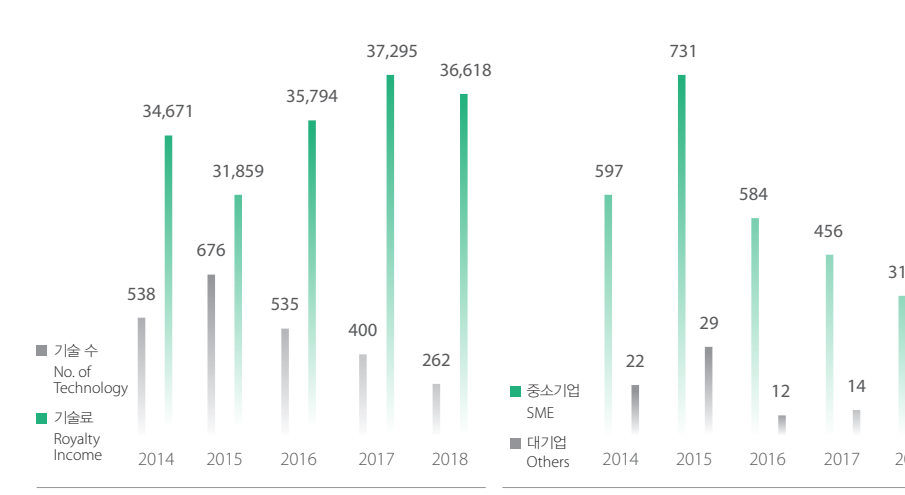
특허출원 건수
No. of Patent Application

15,246 건
cases

TECHNOLOGY TRANSFER

기술이전

5년간 누적
2018년 말 기준
Total of past 5 years
As of end of 2018



기술수
No. of Technology

2,411 건
cases

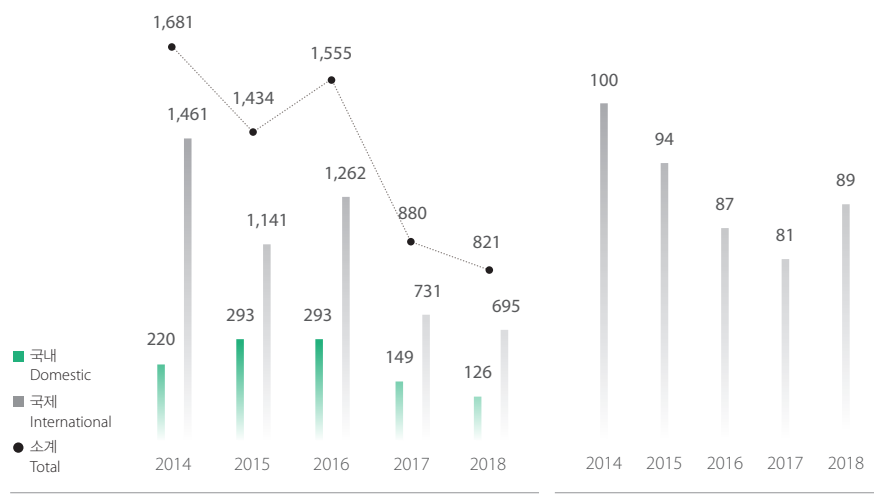
기술료
Royalty Income

176,237 백만 원
million won

STANDARDIZATION

표준화

5년간 누적
2018년 말 기준
Total of past 5 years
As of end of 2018



표준기고서
No. of Standards Contributions Adopted

6,371 건
cases

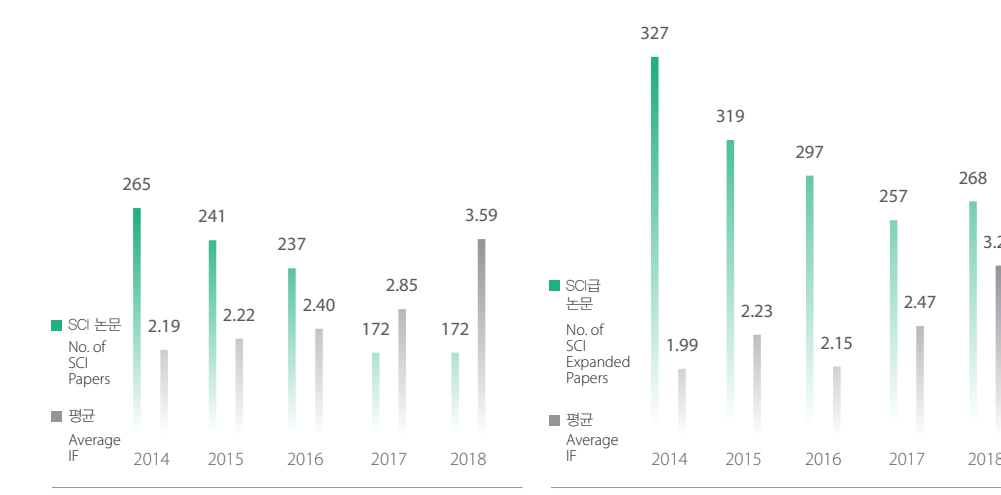
국제표준화기구 의장단
No. of Standard Experts

451 명
person

SCI PAPERS & SCI EXPANDED PAPERS

SCI 논문 & SCI급 논문

5년간 누적
2018년 말 기준
Total of past 5 years
As of end of 2018



SCI 논문
No. of SCI Papers

1,087 건
cases

평균 IF
Average IF

2.65 평균
average

SCI급 논문
No. of SCI Expanded Papers

1,468 건
cases

평균 IF
Average IF

2.41 평균
average

R&D MAJOR ACHIEVEMENT

R&D 주요성과

2010s

- 2018** - 촉각인터넷기술(틱톡, TIC-TOC) Tactile Internet Technology(TIC-TOC)
- 2017** - UHD 모바일방송 기술개발
Developed UHD mobile broadcasting technology
- 기기급 데이터 전송이 가능한 이동 핫스팟 네트워크(MHN) 기술개발
Developed mobile hotspot network(MHN) technology capable of GIGA-level data transmissions
- 2016** - 언어지능 SW, 엑스브레인 기술 개발 Developed language intelligence SW EXOBRAIN
- 2015** - 광대역 대용량 이동통신기 지국 구축기술 개발
Developed technology for constructing optical large-capacity mobile communication base stations
- 2014** - 오케스트라 광인터넷 기술 OCESTRA, optical Internet technology
- 2013** - 스마트폰을 이용한 무인 발렛주차 기술개발 Automated valet parking technology using a smart phone
- 2012** - 100배 빠른 광 인터넷 기술개발 Developed optical Internet technology that's 100 times faster
- 휴대형 한·영 자동통역 지니톡(Genie Talk) 기술 개발
Developed a mobile Korean-English translating technology called Genie Talk
- 2011** - 투명도 조절 AMOLED 디스플레이 패널 개발 Transparency adjustable AMOLED display
- 패킷-광 통합 전달망 기술개발
Packet-optical integrated transport network technology
- 2010** - 4세대 이동통신 LTE-Advanced 세계 최초 개발 4G LTE-Advanced Technology
- 스마트 선박 기술개발 Smart ship technology(SAN)

2000s

- 2009** - 세상을 밝혀주는 친환경 OLED 조명기술 개발
Developed eco-friendly OLED lighting technology for illuminating the world
- 2008** - SMMD 기반 실감체험 4D 시스템기술 개발
Developed an SMMD-based live experience 4D system technology
- 2007** - 3.6Gbps 4세대 무선전송시스템 세계 최초 개발
The world's first 3.6Gbps 4th generation mobile communication technology(NoLA)
- 2006** - 무선 홈 네트워크(UWB)개발 Developed a wireless home network(UWB)
- 투명 AMOLED 세계 최초 개발 Developed the world's first transparent AMOLED
- 2005** - 국산 임베디드SW 개발 솔루션 첫 수출 ETRI succeeded in exported embedded SW solution
- 지상파 DMB 서비스 개시 Terrestrial DMB service launched
- 2004** - 세계최초 이동무선 광대역 인터넷 와이브로(WiBro) 시제품 개발
Developed the world's first prototype system of wireless broadband Internet called WiBro

1990s

- 1999** - 동기식 IMT 2000(CDMA2000) STP 시스템 개발 Synchronized IMT 2000(CDMA2000) STP system
- 1996** - CDMA ATM교환기 개발 CDMA ATM exchanging machine
- 1995** - CDMA 세계 최초 상용화 성공 Commercialize CDMA for the first time in the world
- 1991** - TDX-10 개통 Launched TDX-10
- 주전산기II (TICOM) 개발 TICOM II
- 1990** - 32비트 마이크로프로세서 개발 32-bit microprocessor

1980s

- 1989** - 4M DRAM 개발을 시작으로 16M, 64M, 256M DRAM 개발 4M, 16M, 64M and 256M DRAM
- 1988** - 565Mbps 광통신 시스템 개발 565Mbps optical communications system
- 1986** - 1가구 1전화시대를 연 전전자교환기(TDX)개발
Developed the telephone exchange system(TDX) that opened the era of 1 telephone per household in South Korea
- 1984** - 16비트 UNIX 개발 컴퓨터 국산화 성공 16-bit UNIX domestic computer
- 1983** - 8bit 교육용 컴퓨터 개발 8-bit educational computer
- 1982** - 우리나라 최초의 메모리 반도체 32K ROM 개발
The nation's first semiconductor product '32K ROM chip'