清华大学信息科学技术学院
School of Information Science and Technology, Tsinghua University

学院简介

清华大学信息科学技术学院（以下简称：信息学院）组建于 1994 年，目前由 3 个系、3 个院组成，是科技部批准组建的 6 个国家研究中心之一“北京信息科学与技术国家研究中心”的具体依托单位。信息学院是清华大学规模最大的学院之一，拥有 7 个一级学科，25 个二级学科，6 个博士后流动站；设有电子信息科学与技术、微电子科学与工程、计算机科学与技术、自动化、软件工程 5 个本科专业；现有事业编制教职工 591 人（教师 508 人，教学辅助人员 64 人），在校学生 7010 人（本科生 2865 人，硕士生 1770 人，博士生 2375 人）。

院长 戴琼海

组织机构

- 北京信息科学与技术国家研究中心 Beijing National Research Center for Information Science and Technology
  - 信息科学技术学院 School of Information Science and Technology
    - 电子工程系 Department of Electronic Engineering
    - 计算机科学与技术系 Department of Computer Science and Technology
    - 自动化系 Department of Automation
    - 集成电路学院 School of Integrated Circuits
    - 软件学院 School of Software
    - 网络科学与网络空间研究院 Institute for Network Sciences and Cyberspace

科研机构

- 国家级科研机构 State Level Research Institutes
  - 北京信息科学与技术国家研究中心 Beijing National Research Center for Information Science and Technology
  - 国家企业信息化应用支撑软件工程技术研究中心 National Engineering Research Center for Enterprise Information Software
  - 国家计算机集成制造系统 (CIMS) 工程技术研究中心 National Engineering Research Center for Computer Integrated Manufacture System
  - 数字电视国家工程实验室（北京） National Engineering Lab for Digital TV (Beijing)
  - 下一代互联网核心网国家工程实验室 National Engineering Lab of Next Generation Internet
  - 电子商务交易技术国家工程实验室 National Engineering Lab for E-Commerce Technology
  - 大数据系统软件国家工程实验室 National Engineering Lab for Big Data System Software

信息学科群统计数据

学科建设

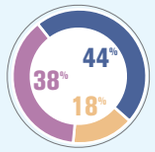
● 一级学科

- 电子科学与技术
- 信息与通信工程
- 控制科学与工程
- 计算机科学与技术
- 软件工程
- 网络空间安全
- 集成电路科学与工程

教师队伍

截至2022年底，信息学院共有教师508人，入选各类国家级人才计划 226 人次。其中中国科学院院士 5 人，中国工程院院士 8 人。

教师结构



194 人 正高级职务

224 人 副高级职务

90 人 中级职务

教师人数

118 人 电子工程系

108 人 计算机科学与技术系

91 人 自动化系

57 人 集成电路学院

41 人 软件学院

42 人 网络科学与网络空间研究院

51 人 北京信息科学与技术国家研究中心

科学研究

● 国家科技奖励

2012-2021 年，信息学院累计获得国家科技奖励 36 项（作为第一完成单位获得 27 项，作为参与单位获得 9 项），包括国家自然科学奖 8 项，国家技术发明奖 13 项，国家科学技术进步奖 15 项。

2012-2021 年作为第一完成单位获三项一等国家科技奖励

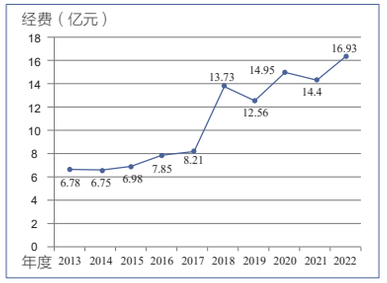
● 近十年获得的国家 / 省部级创新团队

- 国家自然科学基金创新研究群体 宽带无线通信理论及关键技术
- 国家自然科学基金创新研究群体 支撑电子信息技术可持续发展的微纳集成光电子器件
- 国家自然科学基金创新研究群体 网络可视媒体智能处理
- 国家自然科学基金创新研究群体 生物信息学
- 国家自然科学基金创新研究群体 工业大数据软件理论、技术与应用
- 创新人才推进计划重点领域创新团队 宽带多媒体传输技术创新团队
- 创新人才推进计划重点领域创新团队 下一代互联网创新团队
- 教育部创新团队 网络海量可视媒体智能处理
- 教育部创新团队 飞行动力学与飞行控制
- 国防科技创新团队 XXX

● 论文专著专利

年度	论文		专著	专利	
	SCI	EI		申请	授权
2012	523	585	24	545	426
2013	680	847	27	647	380
2014	689	667	21	565	317
2015	639	814	23	497	371
2016	735	882	15	522	477
2017	744	687	22	761	511
2018	662	765	17	745	520
2019	748	403	13	858	566
2020	444	491	21	1033	901
2021	743	未统计	23	1122	759
总计	**6607**	**6141**	**206**	**7295**	**5228**

● 科研经费



信息学院特色工作

学生培养

2017 登峰基金 – 学生高水平国际竞赛基金
支持信息学院学生参加高水平国际竞赛，提高学生的创新能力与国际竞争力

2006 清华 – 南加大本科生暑期交换项目
支持信息学院与美国南加州大学维特比工程学院开展本科生暑期交换，促进两校交流与合作，提高学生全球胜任力

2004 登峰基金 – 研究生出席国际会议基金
支持信息学院学生参加高水平国际学术会议，提高学生的学术水平与国际交流能力

1999 清华大学 – 英特尔奖学金
面向信息学院研究生设立的奖学金，鼓励学生勤奋学习，培养信息科学与工程技术领域的优秀人才

学术交流

2022 清华信息交叉创新沙龙
由信息国家研究中心各交叉创新群体发起，深入探讨关键学术问题和科研攻关思路，推动开展交叉创新研究

清华信息合作创新沙龙
由信息国家研究中心各联合研究中心发起，深入探讨技术应用和产学研合作，推动科研成果转化和产业发展

2020 北京信息科学与技术国家研究中心系列交叉论坛
深入探讨国际前沿领域，推动跨学科交叉创新，促进学科交叉融合

2006 清华 – 南加大双边教授论坛
搭建清华大学与美国南加州大学两校教师之间的交流平台，推动国际合作

清华信息青年学者论坛
搭建清华大学信息领域青年学者交流平台，推动跨学科交叉创新

2005 清华信息大讲堂
支持信息学院教师邀请国内外知名学者和专家来校做学术报告，促进国际交流与合作

清华信息青年学者沙龙
邀请信息领域知名学者分享成长经历与人生感悟，助推青年学者快速成长

Statistics of the Disciplinary Cluster of Information Science

Disciplinary Construction

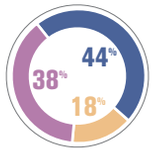
First-level Disciplines

- Electronic Science and Technology
- Information and Communication Engineering
- Control Science and Engineering
- Computer Science and Technology
- Software Engineering
- Cyberspace Security
- Integrated Circuit Science and Engineering

Faculty

By the end of 2022, there were 508 faculty members in the School of Information Science and Technology, including 5 academicians of the Chinese Academy of Sciences and 8 academicians of the Chinese Academy of Engineering. Our faculty has been selected into various national talent programs for 226 person-times.

Faculty Composition



Number	Number	Number
194	224	90
Professors and Research Professors	Associate Professors and Research Associate Professors	Lectures and Assistant Professors

Faculty size

118 Number	108 Number	91 Number	57 Number
Department of Electronic Engineering	Department of Computer Science and Technology	Department of Automation	School of Integrated Circuits
41 Number	42 Number	51 Number	
School of Software	Institute for Network Sciences and Cyberspace	Beijing National Research Center for Information Science and Technology	

Research

National Science and Technology Award

From 2012 to 2021, the SIST won a total of 36 national science and technology awards (27 completed as the first unit and 9 as the participating unit), including 8 national natural science awards, 13 national technological invention awards and 15 national science and technology progress awards.

● Papers/Books/Patents

Year	Papers		Books	Patents	
	SCI	EI		Filled	Granted
2012	523	585	24	545	426
2013	680	847	27	647	380
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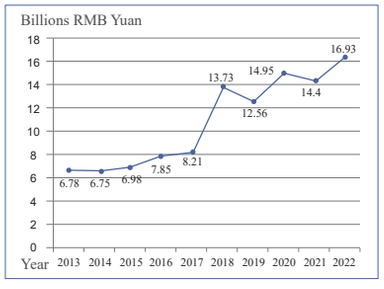
Total	**6607**	**6141**	**206**	**7295**	**5228**

● Research Funding



National/provincial innovation teams recognized in the recent decade

- Innovative Research Group of National Natural Science Foundation of China
  Theory and key technologies of broadband wireless communication
- Innovative Research Group of National Natural Science Foundation of China
  Micro-nano integrated optoelectronic devices supporting the sustainable development of electronic information technology
- Innovative Research Group of National Natural Science Foundation of China
  Intelligent processing of network visual media
- Innovative Research Group of National Natural Science Foundation of China
  Bioinformatics
- Innovative Research Group of National Natural Science Foundation of China
  Theory, technology and application of industrial big data software
- Innovation Team in Key Areas of Innovation Talent Promotion Program
  Broadband multimedia transmission technology innovation team
- Innovation Team in Key Areas of Innovation Talent Promotion Program
  Next generation internet innovation team
- Innovation Team of Ministry of Education
  Intelligent processing of massive network visual media
- Innovation Team of Ministry of Education
  Flight dynamics and flight control
- National Defense Science and Technology Innovation Team XXX

Work of the SIST

Student Training

2017 Deng Feng Fund- Fund for Students to Attend High-level International Competitions
Support students of SIST to participate in high-level international competitions, and improve their innovative ability and international competitiveness.

2006 THU-USC Undergraduate Summer Exchange Program
Support SIST, Tsinghua University and the Viterbi School of Engineering, University of Southern California (USC) to carry out undergraduate summer exchange, promote exchanges and cooperation between the two universities, and improve students' global competence.

2004 Deng Feng Fund- Fund for Postgraduate Students to Attend International Conferences
Support students of SIST to participate in high-level international academic conferences and improve their academic competence and international communication ability.

1999 Tsinghua-Intel Scholarship
Scholarship for graduate students of SIST encourage students to study hard and cultivate outstanding talents in the fields of information science and engineering technology.

Academic Exchange

2022 Tsinghua Information Interdisciplinary Innovation Salon
Initiated by various cross-innovation groups of the Beijing National Research Center for Information Science and Technology, the salon deeply explores key academic issues and scientific research ideas and promotes cross-innovation research.

Tsinghua Information Cooperative Innovation Salon
Initiated by various joint research centers of the Beijing National Research Center for Information Science and Technology, the salon deeply explores the application of technologies and Industry-University-Research cooperation, and promotes the transformation of research achievements and industrial development.

2020 Beijing National Research Center for Information Science and Technology Cross-Disciplinary Forum
Explore international frontiers, promote interdisciplinary innovation, and promote interdisciplinary integration.

Tsinghua Information Young Scholars Forum
Set up a platform for exchange of young scholars in information in Tsinghua University, and promote cross-disciplinary innovation.

Tsinghua Information Young Scholars Salon
Invite well-known scholars in the information field to share their growth stories and life experiences, and promote the rapid growth of young scholars.

2006 THU-USC Faculty Research Symposium
Set up a communication platform between the faculties of Tsinghua University and USC to promote international cooperation.

2005 Tsinghua Information Forum
Support the faculty of SIST to invite well-known scholars and experts from home and abroad to deliver academic reports and promote international exchanges and cooperation.

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2023 信息学院

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