



诉著大学信息科学技术学院

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8个一级学 科,31个二级学科,6个博士后流动站;现有电子信 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571人(教师500人,教学辅助人员59人,职工12人), 在校学生 7054 人(本科生 2725 人,硕士生 1666 人, 博士生 2663 人)。





组织机构

言息科学技术学院

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

> 互联网体系结构全国重点实验室 National Key Laboratory of Internet Architecture

天基网络与通信全国重点实验室 National Key Laboratory of Space-based Network and Comm

数字电视国家工程实验室(北京) National Engineering Laboratory for Digital Television (Beijing)

电子商务交易技术国家工程实验室 National Engineering Laboratory for E-commerce Transaction Technology

下一代互联网核心技术国家工程研究中心 National Engineering Research Center for Core Technologies of Next Generation Internet

大数据系统软件国家工程研究中心 National Engineering Research Center for Big Data System Software

国家企业信息化应用支撑软件工程技术研究中心 National Enterprise Information Software Engineering Research Center

国家计算机集成制造系统 (CIMS) 工程技术研究中心 National CIMS Engineering Research Center

学科建设

● 一级学科

教师队伍 入选各类国家级人才计划 283 人次。其中中国 科学院院士3人,中国工程院院士6人。







220 正高级职务

228 ^ 副高级职务 **52** ^ 中级职务

55 ^

集成电路学院



122 ^ 电子工程系

38^

软件学院

40 ^ 网络科学与网络 空间研究院

105

与技术系

计算机科学

57 [′]

83^

自动化系

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

2015-2024年,信息学院累计获得国家科技奖 励 29 项(作为第一完成单位获得 22 项,作为参与 单位获得7项),包括国家自然科学奖5项,国家 技术发明奖9项,国家科学技术进步奖15项。



2015-2024 年作为第一完成单位获 2 项 国家科技奖励(通用项目)一等奖

● 近十年获得的国家 / 省部级创新团队、重大仪器项目

○ 国家自然科学基金基础科学中心(卓越研究群体) 认知计算

国家自然科学基金国家重大科研仪器研制 海底地震与电磁同步探测系统关键技术及验证样机

- 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

国家自然科学基金创新研究群体 下一代互联网体系结构

- 国家自然科学基金创新研究群体 视觉信息智能分析与识别
- 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 飞行动力学与飞行控制

● 论文专著专利

年度	SCI 论文	专著	专利		
			申请	授权	
2014	689	21	565	317	
2015	639	23	497	371	
2016	735	15	522	477	
2017	744	22	761	511	
2018	662	17	745	520	
2019	748	13	858	566	
2020	444	21	1033	901	
2021	727	23	1122	759	
2022	788	11	1086	790	
2023	608	15	1283	607	
总计	6786	181	8472	5819	

● 科研经费



信息学院特色工作

2017 —

学生培养

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

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

2006

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

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

1999

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

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

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

学术交流

叉性科学问题和我国急需解决的核心关键技术展开交流和研讨

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

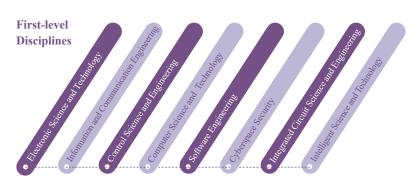
清华信息青年学者沙龙 搭建清华大学信息领域青年学者 交流平台,推动跨学科交叉创新

清华信息前沿交叉论坛

每年校庆期间举办的重要活动之一, 围绕信息领域重大前沿、交

Statistics of the Disciplinary Cluster of Information Science

Disciplinary Construction



Faculty

By the end of 2024, there were 500 faculty members in the School of Information Science and Technology, including 3 academicians of the Chinese Academy of Sciences and 6 academicians of the Chinese Academy of Engineering. Our faculty has been selected into various national-level talent programs 283 person-times.



Faculty Composition



220 Numbe

Associate Professors Associate Professors

Lectures and Professors

55 Number

School of Integrated



Faculty size

120 Number

School of Software

Institute for Network

Department of Compute

Science and Technology

105 Number

Professors and Research

Professors

Sciences and Cyberspace

83 Number

Department of

Beijing National Research Center for Information Science and Technology

Scientific Research

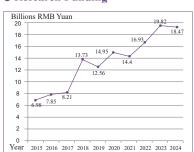
National Science and Technology Award

From 2015 to 2024, the SIST won a total of 29 national science and technology awards (22 completed as the leading institution and 7 as a participating institution), including 5 national natural science awards, 9 national technological invention awards, and 15 national science and technology progress awards.

Papers/Books/Patents

Year	SCI-indexed papers	Books	Patents	
			Filled	Granted
2014	689	21	565	317
2015	639	23	497	371
2016	735	15	522	477
2017	744	22	761	511
2018	662	17	745	520
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2022	788	11	1086	790
2023	608	15	1283	607
Total	6786	181	8472	5819

Research Funding



National/provincial innovation teams and major instrument projects recognized in the recent decade

Foundation of China (Distinguished Research Group) Cognitive computing

 Key Research Instrument Development of National Natural Science Foundation of China

Key technologies and verification prototype of seafloor seismic and electromagnetic synchronous

O Innovative Research Group of National Natural Science

Theory and Key Technologies of Broadband Wireless

Innovative Research Group of National Natural Science Foundation of China Theory and key technologies of broadband wireless

O Innovative Research Group of National Natural Science

Foundation of China Micro-nano integrated optoelectronic devices supporting the sustainable development of electronic

O Innovative Research Group of National Natural Science 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

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

SIST's Key Endeavors

Student Training

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.

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.

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.

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

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.

Tsinghua Information Frontier Interdisciplinary Forum

One of the important activities held during the annual university anniversary, during which exchanges and discussions are conducted on major frontier and interdisciplinary scientific issues in the field of information and core key technologies to be urgently addressed in China.

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

Tsinghua Information Young Scholars Forum

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

THU-USC Faculty Research Symposium

Set up a communication platform between the faculties of Tsinghua University and USC to promote

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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