

The Swedish Institute of Computer Science

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General Information

The Swedish Institute of Computer Science, SICS, is a non-profit research institute with approx. 90 highly qualified researchers in a wide range of areas, including: future Internet technologies, large scale network-based applications, and human-machine interaction. The research is carried out in close collaboration with industry and the international research community.



The goal of the Swedish Institute of Computer Science is to contribute to the competitive strength of Swedish industry by conducting advanced and focused research in strategic areas of computer science, and actively promoting the use of new ideas and results in industry and society at large.

- ▶ Founded in 1985
- ▶ Main office in Kista, Stockholm
- ▶ Non-profit organisation & national research institute
- ▶ Member of ERCIM, W3C
- ▶ 88 researchers, 3 professors, 30 PhDs
- ▶ Turnover \approx 8.8M Euros \approx

An important part of SICS research is financed by Föreningen för Datateknisk Forskning (FDF). Members of the FDF in 2005:

- ▶ ABB
- ▶ Bombardier Transportation
- ▶ Ericsson
- ▶ FMV, Defence Materiel Administration
- ▶ Green Cargo (Swedish freight railway operator)
- ▶ Saab Systems
- ▶ TeliaSonera

Owners and Funding

- ▶ SICS is jointly owned by the Swedish industry and the Swedish government
- ▶ The core of SICS research is financed by the SICS industrial partners in FDF and the Swedish government
- ▶ The main national sources of competitive project funding are currently VINNOVA (the Swedish Agency for Innovation Systems) and SSF (the Swedish Foundation for Strategic Research)
- ▶ SICS undertakes contract research on behalf of Swedish and international industry, both the SICS industrial partners, and others
- ▶ The institute participates in several European projects funded by the European Commission

Main application areas:

- ▶ Telecom and computer systems and services
- ▶ Electronic commerce
- ▶ Industrial production and transportation systems
- ▶ Command and control systems
- ▶ supportive solutions for contemporary work and leisure activities

Initial investigations towards applying SICS expertise in the fields of bioinformatics, trade and civil services.

Research output:

- ▶ Approximately 100 referred papers and articles in international journals and conferences per year
- ▶ 2-4 research degrees (doctor and/or licentiate) per year
- ▶ 1-3 people move to academia for tenured positions (professor, lecturer) per year

Industrial output:

- ▶ 10-15 people per year move to the industry
- ▶ Transfer of SICS projects and patents to the industry, including spin-off companies Software distribution