

University of Cambridge Centre for Communications Systems Research

Professor E. Stewart Lee

Director

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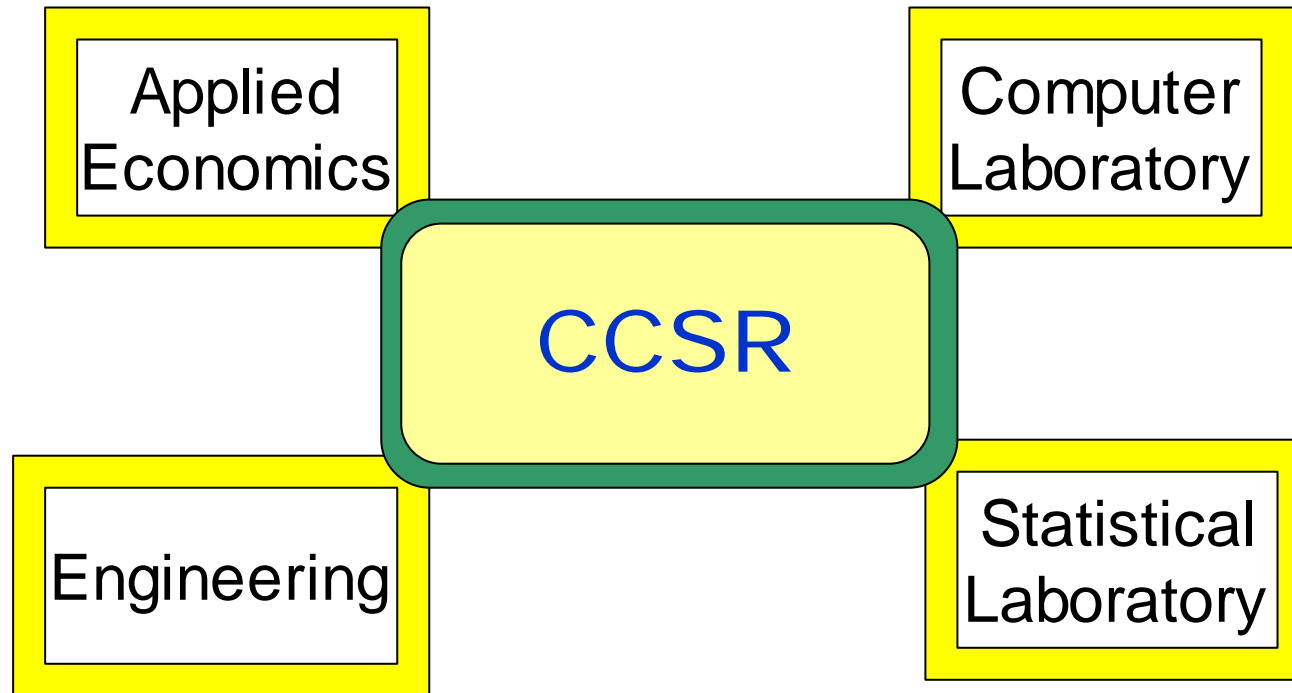
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University
of Cambridge

About CCSR



26 members of the academic staff of the University are Academic Members of CCSR

Finances

- ➔ **CCSR is entirely supported by industry through co-operative research programs.**
- ➔ **A contract for a specific program is signed by the industry and the University.**

Organisation of Programs

➔ **Technology transfer is the important issue. Every one of our research programs has**

» **Academic member(s) of CCSR**

» **Industrial Research Fellow(s)**

– industrial employee seconded to CCSR

» **Post-Doctoral Fellow(s)**

– recruited especially for the program



The Level of Activity

- ➔ **At present, there are 15 people on site, 5 Industrial Research Fellows (including 2 part-time), 2 Academic Members, 6 Post-Doctoral Fellows, an administrator and a computer officer.**
- ➔ **Becoming 24 people by year's end.**

Present Programs 1

(ongoing or approved)

- ➔ **Business Model of Internet Services**
 - **Alcatel Bell (Belgium)**
- ➔ **Future Network Technology**
 - **Hitachi Telecommunications**
- ➔ **Future Network Systems Architecture**
 - **Hitachi Systems Development Laboratory**
- ➔ **Video Data Security**
 - **Hitachi Systems Development Laboratory**



Present Programs 2

(ongoing or approved)

➔ Composition of Secure Systems

– U.S. Naval Research Laboratory

➔ Network Management

– Micromuse Inc.

➔ IT & Human Genome Identification

– Bristol-Myers Squibb



Future Programs

(nearly approved)

- ➔ **Fault Tolerant Network Architecture**
 - largely Ethernet oriented
- ➔ **Interactive, Immersive Drama**
 - for education and entertainment
- ➔ **A New Paradigm for the Desktop**
 - for mobile working or browsing
- ➔ **Tariffs for Dynamic Switching in ATM**
 - for providing a charged-for QoS in the network



Contractual Arrangements

- ➔ The industry supplies the funds and owns the intellectual property
 - University people have a free right to use it in further work
- ➔ Publication is encouraged
 - With a delay of up to a year for IP protection
- ➔ A contract term is two years minimum
 - Further biennial renewals are expected