About the Academic Computer Centre in Gdańsk (T.A.S.K.)

The Academic Computer Centre in Gdańsk (T.A.S.K.) is one of the biggest and most modern metropolitan area networks (MAN) in Poland (http://www.task.gda.pl). It is an inter-university unit, administrating the Computer Network and the Super-computer Centre.

The Supercomputer Centre is an integral part of T.A.S.K., and is equipped with modern mainframe computers IBM, SGI and SUN together with a large archivisation system (Figure 1). Very rich software (described in detail in our www pages) installed on computers of our Centre makes it possible to perform large scale calculations within various fields of science and technology.

The T.A.S.K. network (Figure 2) covers the territory of the whole so called Tri-City, i.e. a complex of three adjacent towns Gdańsk-Sopot-Gdynia. It connects 62 LAN networks of various research institutes, in which over 4000 computers of PC class, workstations, and servers are installed. The network has about 16000 users. FDDI and ATM, with transfer rates 100, 155 and 622 Mb/s. are the applied transmission technologies. The T.A.S.K. network is connected to the national and world network with 34 Mb/s link, enabling remote access to the Centre resources, the usage of all networks services, multimedial transmissions, interactive works, as well as teaching and learning via the network. Our Centre co-operates closely with five other supercomputer centres in Poland), and participates in the creation of the national metacomputing system.
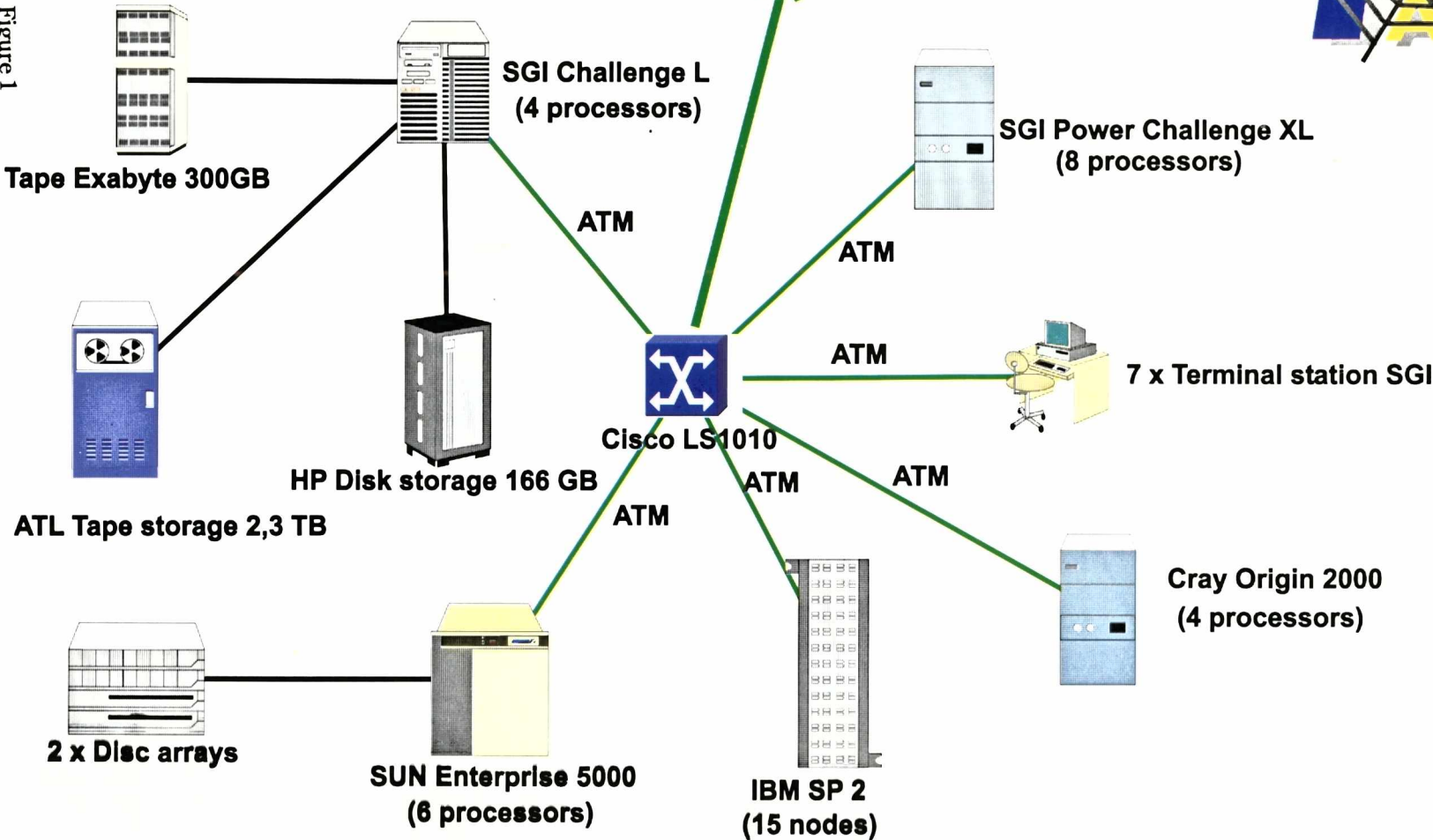
The permanently increasing power of installed computers and the continuous increase of the access rate create the possibility to perform extensive computer aided research in almost each field of science and technology.

Mścisław Nakonieczny
Director of the T.A.S.K Centre

Figure 1

Tape Exabyte 300GB

SGI Challenge L
(4 processors)

MAN 622 Mbps ATM

SGI Power Challenge XL
(8 processors)

ATM

ATM

ATL Tape storage 2,3 TB

HP Disk storage 166 GB

Cisco LS1010

ATM

7 x Terminal station SGI

ATM

ATM

ATM

Cray Origin 2000
(4 processors)

2 x Disc arrays

SUN Enterprise 5000
(6 processors)

IBM SP 2
(15 nodes)

Academic Computer Center in Gdańsk TASK

Tricity Academic Computer Network (TASK) 1997

Figure 2

Legend:
- Router
- Catalyst
- LS 100
- LS1010
- ATM (yellow)
- FDDI (purple)
- Ethernet (red)

0 Km — 50 km