

Member Society reports of NJSZT to IFIP

(1998-2007)

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Member Society Report 1997/98

NJSZT – John v. Neumann Computer Society

1997/98 has been the first working year of the Board and Council of NJSZT, both elected March 1997. The primary objective set by the Board when taking up their duty was to press forward with the Society's renewal programme dated 1994. A paper entitled "NJSZT 2000" was written up to sum up the tasks to be dealt with until the new millennium.

In the year elapsed since our last Report we have made good progress in a number of fields and projects.

Scope and structure of NJSZT

The professional scope has been substantially extended with the formation of seven new working units including two sections devoted to IT in Public Education and in Higher Education. The former took an active part in supporting the "Schoolnet" nation-wide government project aiming at linking all general and secondary schools on to Internet.

Electronic NJSZT

One of the ways to make NJSZT a more service-oriented society toward membership is to streamline operations of the Secretariat by converting some conventional activities into computer-based systems. Such are the membership data base, bookkeeping and ECDL project management. Also, information pertaining to the activities of the Society has been made more readily available for members and partners alike via Internet.

ECDL

This project has been a great success story. The activities of NJSZT as the Hungarian ECDL licence holder are fully recognised by both the ECDL Foundation and the government. NJSZT has compiled the collection of test problems and worked out a recommendation for setting up an ECDL quality assurance/management system. Currently the number of test centres nation-wide is 73 employing nearly two hundred accredited examiners. NJSZT also runs TV-programme for ECDL distant learning.

Y2k

With the year 2000 now in immediate vicinity, NJSZT as an independent society of long standing and reputation seeks to support the computer community in the preparations for the great change. It wishes to play an active and constructive role to help ensure a smooth transition of information and embedded systems by drawing the attention to the serious implications and the ways to avoid pitfalls and by giving counsel to counter possible panic-raising.

NJSZT in IFIP

Despite funding problems we have managed to strengthen our presence and representation in IFIP TCs and WGs. Thus we now have filled our TC1, TC12 and renewed the TC7 position. A stronger link between the Society's working units and IFIP TC delegates is being aimed at to achieve a better flow of information between IFIP and NJSZT activities at working levels. Our TC12 delegate being the chairman of our AI section is a notable example to this effect.

Please refer to the Annexes of this Report for the stance of NJSZT on the issues of Strategic Planning and Multiple Membership.

WCC '98

The greatest venture in the history of NJSZT, WCC'98 is now within reach. The Society, together with OCG and with the support of IFIP Secretariat, has been putting a great deal of effort behind the preparations, making a point of ensuring worthy settings in both technical and organisational terms. Hoping that this unique event will live up to expectations, we look forward to meeting and greeting the attendees of WCC 98 and GA 98 in Budapest.

Annex 1

On the issue of Multiple Membership from One Country

1. NJSZT is in support of admitting both ACM and IEEE CS to IFIP as full Members
2. NJSZT reckons that similar situations may arise in the future relative to other countries. IFIP should be prepared for such eventualities and handle them in a similar way
3. Putting the above in a more general context, NJSZT regards computing as a multi-colour discipline spanning virtually the whole society. A multitude of organisations and individuals contribute to its progress. None of these can claim to be the sole representative of the community. Therefore, to maintain its appeal in the long run, IFIP ought to re-consider and indeed revise its "one country – one member society" principle. Such a policy would be all the more desirable as it could give IFIP fresh blood e.g. from the industry.

Annex 2

On the issue of Strategic Planning

Subsequent to the strategic planning sessions by EB and GA and the resulting "visions, objectives and goals," NJSZT's preferences/proposals hereto are as follows:

1. IFIP is primarily there to serve member societies and other national and international working groups by acting as a "switchboard" among them and providing access to information and resources facilities.
2. IFIP can thus become a bridge between various segments/sectors/communities of the IT science and industry as well as between the profession and the society.
3. Based on a membership representing a wide cross-section of the IT scene, IFIP can gain recognition as a pre-eminent international body for IT issues and become a/the preferred source of advice for governments, business and the IT communities.

Member Society Report 1998/99

NJSZT – John v. Neumann Computer Society Hungary

I. Main events/activities at NJSZT

When our last report was submitted a year ago, **IFIP C'98** preparations were in their final stage with the actual running of the Budapest half coming up soon. Eventually C'98 turned out to be a great success and this was very gratifying for NJSZT after the efforts of long preparatory work – tying up the loose ends of course occupied the rest of calendar 1998.

In 1999 NJSZT has been focusing on two timely issues touching upon not just the whole ICT community but rather the whole society: the **Y2K** problem and the transition into the **information society**. Accordingly we widened our “fronts” of co-operation with society.

Co-operating with responsible government departments and the media NJSZT took part in operating various information Y2K channels and forums for improving the information flow and co-ordination (e.g. between industry and users). To help the lay society prepare themselves for the next (information-bound) century NJSZT also put a great deal of effort behind expediting computer literacy by way of further strengthening the ECDL movement. To date we oversee 112 test centres while the number of licence holders reached 5000 and that of applicants 10 000. Our achievements and contributions to ECDL quality management have found international recognition.

It is also in this context that NJSZT started the preparations of the VII. Congress of the society to be held June 2000 under the motto: “Together into the information society”.

Within our **organisation** we have strengthened a number of professional and regional units including the Intelligent Card Forum (their current total number is in excess of 40) to better gear up for the literacy work but also to promote some highly professional activities like the work of the Budapest centre of IEEE CS.

Also at the “high end” of our scope, we recently renewed our **Expert Register** by which we not only register and certify professionals but also run a “match-making” system to enhance our image as a service-oriented society.

As of January 1, 1999 NJSZT obtained a **new legal status**: it now operates as a public utility body which form honours the non-profit type of activities. At the same time a few new office bearers were appointed.

II. The IFIP connection

We have delegates in the majority of TCs and in some WGs as well. Their level of activity widely varies. TC5 is our “strongest” TC with a colleague of us acting as deputy chairman and we also have several delegates at WG level.

Our TC6 representative is actively involved in staging the IWTC99 event and related TC meeting both to be held in Budapest just a few days before GA 99. Our presence in TC2 and maybe also in TC 11 can be deemed satisfactory. In TC7 and TC12 our representatives could not make it to the latest meeting due mainly to the lack of travel funding. For the same reason our representation in TC3 and TC9 is, regrettably enough, of the “corresponding” type.

Having just received the Call for Papers brochures from the C2000 organisers we started some marketing activities in the Newsletter of NJSZT as well as by way of Internet. It is envisaged that NJSZT will organise a package participation tour to Beijing just as it did on the occasion of previous Congresses (San Francisco, Madrid, Hamburg, Canberra).

Having mentioned Internet, the web pages of our society are under re-design and it is intended that more links be established to the IFIP and TC home pages. Similarly, the upcoming issues of our newsletter are expected to break more news on IFIP and its national member societies.

Member Society Report 2000/2001

NJSZT – John von Neumann Computer Society - Hungary

The Hungarian member of IFIP is the John von Neumann Computer Society (by Hungarian acronym: NJSZT). This is a professional organization established in 1968 having a membership of about 2500 individuals and 200 companies. It has territorial organizations in 14 counties and 4 cities all over Hungary. The 23 professional communities cover most areas of the computer field.

In June 2000 a new Board has been elected for the Society, with a number of newly elected officers.

Members of the Board are:

President:

Peter *Bakonyi*, e-business director of Allianz-Hungaria Insurance Co.

[founder and long-time leader of the Hungarian Research Network]

Vice presidents:

Peter *Arató*, professor of Budapest Technical University
Mária *Raffai*, professor of Szechenyi Technical College (Győr)
Tibor *Remzsó*, head of software. engineering department of the Computer and Automation Institute of the Hungarian Academy of Sciences
Júlia *Sipka*, sales and marketing director of IQSOFT Co. Ltd..
Zsuzsa *Tószegi*, director of the Neumann Digital Library.

Past president:

Dezső *Sima*, dean of IT Faculty of Budapest Technical College.

Managing director: István *Alföldi*.

Honorary presidents :

Bálint *Dömölki*, chairman of IQSOFT Co. Ltd..
Miklós *Havass*, chairman of SZÁMALK, past president of the Federation of Hungarian Scientific and Technical Societies
Tibor *Vámos*, member of the Hungarian Academy of Sciences

The new Board started to develop a comprehensive Program for the years 2001-2003, having been published in early 2001. The main topics covered by this program are:

- NJSZT and the Information Society
- NJSZT and the IT profession
- Education, popularization
- Domestic and international relations
- Operational frameworks

Supporting the development of Hungary towards the Information Society continues to be in the very center of NJSZT's activities. This topic became now a very important issue for the Hungarian government as well. In mid-2000 a high level government agency has been created, being responsible for all the regulatory and promotional issues of IT and telecommunications as well as for the application of IT in the state administration. Strategic programs has been published for promoting the development of Information Society in Hungary, directing considerable public funds for that purpose. The NJSZT - and its members as experts – take active part in the creation and realization of these plans of the government. An important part of this involvement is the active participation in the preliminary public consultation about legislation being prepared. In this period NJSZT – together with other civil organizations – expressed opinion about many (around 20) drafts of regulations of different levels. The two highlights here – adopted by the Parliament in the first half of 2001 - has been the

Electronic Signature Act and the Unified Telecommunication Act, both having significant consequences for the whole IT profession.

One of the main activities of NJSZT in supporting the development of the Information Society in Hungary is in the field of education of citizens in IT skills. The most important vehicle of this activity continues to be the European Computer Driving Licence (ECDL) programme. Main achievements in 2000 include the acceptance of ECDL in official training programmes for several categories of civil servants and teachers. There are over 150 accredited examination centers (including some in the neighboring countries), over 30.000 registrants and 16.000 diploms.

The participation in the Internet Fiesta, organized worldwide by the Internet Society, was an important activity of NJSZT also in this year. The main focus this time was on the libraries, their role in supporting the population in making use of the services of the Information Society. Apart from a high level conference in Budapest, over 100 events have been organized all over the country with active participation of local branches of NJSZT.

Several international conferences are organized in Hungary with the direct or indirect participation of NJSZT, e.g.:

- European Conference on Object Oriented Programming (ECOOP) in June 2001,
- Central European Olympiad in Informatics (CEOI) in August 2001,
- TC-5 PROLAMAT Conference in November 2001,
- Sixth European Conference on Software Maintenance and Reengineering (CSMR) in March 2002,
- MIE conference of the European Federation of Medical Informatics (EFMI) in August 2002.

The most important plan on the agenda of NJSZT in this period is the preparation of the celebration in 2003 of the hundred years anniversary of the birth of John von Neumann. The next Congress of the Society (in July 2003) will be devoted to this event, with international participation.

Apart from IFIP, NJSZT is representing the Hungarian computer community in many international organizations, including

- **CEPIS** (Council of European Professional Informatics Societies)
- **EFMI** (European Federation for Medical Informatics)
- **IMIA** (International Medical Informatics Association),
- **EurOpen** (European Forum for Open Systems)
- **IEEE** (The Institute of Electrical and Electronics Engineers).
- **IEEE CS** (IEEE Computer Society ; *with one of its four international regional centers operated in Budapest by NJSZT*)
- **ECCAI** (European Coordinating Committee for Artificial Intelligence)
- **ECDL** Foundation (European Computer Driving Licence Foundation; *the representative of NJSZT being member of the Board of Directors*)
- **IAPR** (International Association for Pattern Recognition)

There are well developed bilateral relations with some computer societies, e.g.

ÖCG (Austrian Computer Society)

EMT (Transylvanian Technical Society)

and NJSZT is participating in the IT STAR initiative of a regional cooperation of several Central European Countries within IFIP (first meeting held in Portoroz, Slovenia in May 2001)

As for IFIP, there was a substantial Hungarian participation at the World Computer Congress 2000, with about 20 attendees, 5 papers and 2 PC members. At the end of 2000 the Hungarian GA representative, Csaba *Gergely* resigned after many years of successful service. His duties have been taken over by Balint *Domolki*. His first task has been the reorganization of the representations of Hungary in the Technical Committees. As a result, now we have in all but one TCs – hopefully – active Hungarian members, representing a well balanced cross section of academia, industry and civil service:

TC1	Zoltan Esik	Szeged University (Automata Theory Research)
TC2	Miklos Biro	Computer and Automation Institute
TC3	Andrea Karpati	Budapest University (UNESCO Chair on Education)
TC5	Gyorgy Kovacs	Computer and Automation Institute

TC6	Sarolta <i>Dibuz</i>	Ericsson Hungary
TC7	Janos <i>Szelezsan</i>	SZAMALK System House
TC8	Pal Vasarhelyi	TU Budapest (Central Library)
TC9	Laszlo Z. Karvalics	TU Budapest (Information Society Trends Research)
TC10	Istvan <i>Erenyi</i>	Government Agency on IT and Telecommunication
TC11	Gyorgy <i>Papp</i>	Vodafone Hungary
TC12	Ivan <i>Futo</i>	Hungarian Tax Office

(those in **bold** are newly appointed members)

The first meeting of this renovated IFIP Commission of the NJSZT was held on June 14 with the participation of Plamen *Nedkov*, Executive Director of IFIP, who delivered an interesting lecture on IFIP structure , activities and tasks of the TC members.

An important issue to be raised towards IFIP is to secure the participation of IFIP in the international celebration of the John von Neumann centenary in 2003.

Budapest, August 7, 2001

Balint Domolki

Hungarian representative in IFIP

Member Society Report 2001/2002

NJSZT – John von Neumann Computer Society – Hungary

The Hungarian member of IFIP is the *John von Neumann Computer Society* (by Hungarian acronym: *NJSZT*). This is a professional organization established in 1968 having a membership of about 2500 individuals and 200 companies. It has territorial organizations in 14 counties and 4 cities all over Hungary. The 25 professional communities cover most areas of the computer field.

There are no changes in the Board elected June 2000 (see previous Member Society Report 2000/2001). In June 2002 the President of our society, Peter *Bakonyi* was appointed Deputy State Secretary in the newly established *Ministry of Information Technology and Telecommunication*.

One of the main tasks of the new Ministry is to prepare a comprehensive **strategy** for the development of the Information Society in Hungary. As both the *NJSZT* as a society and many of its members as individuals have a long experience of participation in the development of strategies, *NJSZT* continues to be one of the civil organisations supporting this activity. This is in accordance with *the Program of the NJSZT* (see previous Report).

An important political event in the computing field has been the creation of a permanent *Parliamentary Committee on Information Technology*, which is a forum of the political parties to discuss actual problems of the ICT field, especially forthcoming legislation. *NJSZT* has the status of a permanent observer in this Committee.

NJSZT continues to play a significant role in supporting the development of the Information Society in Hungary through its activities for the **education of citizens in IT skills**. The most important vehicle of this activity continues to be the *European Computer Driving Licence (ECDL)* programme. Main achievements in 2001/2002 include the acceptance of *ECDL* in secondary school examinations and in entry requirements for universities. Beneficiaries of several government sponsored actions of giving away free PCs (with Internet access) to civil servants and teachers also have to prove their IT skills by some level of *ECDL (ECDL Start)*. *NJSZT* has initiated a new action to provide entry-level skills for the use of Internet to masses of the population ("*háLÓRA Magyar!*" – untranslatable acronym). The development of *ECDL* in Hungary can be characterised by the following figures: over 200 accredited examination centers (including 10 in the neighbouring countries), over 60.000 registrants and 33.000 diplomas. A new initiative is to provide *ECDL* training to people with special needs: the first 8 blind persons passed a successful *ECDL* examination in July 2002.

The main focus of the Hungarian participation in the **Internet Fiesta** (organised worldwide by the *Internet Society*) was in 2002 again the role of libraries supporting the population in making use of the services of the Information Society. Apart from a high level conference in Budapest, several events have been organized by libraries all over the country with active participation of local branches of *NJSZT*.

Several **international conferences** are organized in Hungary with the direct or indirect participation of *NJSZT*, e.g.:

- TC-5 PROLAMAT Conference in November 2001,

- Sixth European Conference on Software Maintenance and Reengineering (CSMR) in March 2002,
- EuroCASC: European Conference of Information System Auditors in March 2002
- MIE 2002: The XVIIth Congress of the European Federation of Medical Informatics (EFMI) in August 2002.

In 2003 most of the activity of the NJSZT will be devoted to the “**Neumann Year**”, i.e. the celebration of the hundred years anniversary of the birth of John von Neumann. There will be a series of events, including

- in March: the (usual) Internet Fiesta,
- in May: Twelfth International World Wide Web Conference (in cooperation with W3C and IFIP WG6.4)
- in June: EFITA, international conference on the applications of IT in agriculture and finally
- in October: the VIIIth Congress of NJSZT with international participation (IFIP President to be invited). The first day of the Congress will be devoted exclusively to the centenary celebration.

Several smaller conferences (including some in the neighbouring countries) will also be organised.

In **IFIP**, following the reorganisation of the Hungarian representation in TCs (see details in previous Report), there are Hungarian activities in many TCs, notably

- in **TC3**: there is very active participation. In 2004 a WG3.5 Working Conference is scheduled to be held in Hungary.
- the **TC5** member continues to serve as Vice Chair of TC5, and a TC meeting took place in Budapest during the Prolamat conference (October 2001).
- in **TC6** a workshop on Modelling of IP and ATM Systems was organised in Hungary in 2001 and the ONDM Conference on optical networks will be held in 2003.
- the **TC9** member contributed to the book being published by TC9 (and also gives a presentation at WCC 2002).
- the **TC11** member participates in the preparation of SEC2003 (Athens)

NJSZT continues to participate in the regional activity of **IT STAR**. At the last meeting (April 2002, Portoroz, Slovenia) a paper was presented titled “*ICT in Hungary: Institutions, Regulations, Challenges and Applications in Academia, Industry and the Public Sector*” giving a comprehensive overview of the computing field in Hungary.(see www.ifip.or.at/it_star/hungary_report.pdf)

Budapest, August 16, 2002

Balint Domolki
Hungarian representative in IFIP

Member Society Report 2002/2003

NJSZT – John von Neumann Computer Society – Hungary

The Hungarian member of IFIP is the *John von Neumann Computer Society* (by Hungarian acronym: *NJSZT*). This is a professional organization established in 1968 having a membership of about 2300 individuals and over 100 companies. It has territorial organizations in 15 counties and 5 cities all over Hungary. The 26 professional communities cover most areas of the computer field.

There are no changes in the Board elected June 2000 (see Member Society Report 2000/2001). In June 2002 the President of our society, Peter *Bakonyi* was appointed Deputy State Secretary in the newly established *Ministry of Information Technology and Telecommunication*.

NJSZT is one of the civil organizations being invited as an observer to the permanent *Parliamentary Committee on Information Technology*, which is a forum of the political parties to discuss actual problems of the ICT field, especially forthcoming legislation. In March 2003 NJSZT presented a report about its activities to the Committee which was received with unanimous approval.

NJSZT continues to play a significant role in supporting the development of the Information Society in Hungary through its activities for the **education of citizens in IT skills**,. playing a leading role the nation-wide dissemination of “computer literacy”. The most important vehicle of this activity continues to be the *European Computer Driving Licence (ECDL)* programme. Our Society is member of the ECDL Foundation and coordinates the ECDL dissemination activity all over Hungary..

NJSZT has initiated several actions to provide entry-level skills for the use of Internet to masses of the population. This include the ‘ECDL Academy’ organized together with the popular daily “Nepszava” publishing during 15 weeks starting Augustus 1, 2003 on every weekday teaching materials and providing reduced rates in ECDL examinations. There is also a programme for students called “Give Future a Chance”, fully recovering the examination fee from the state budget for all final-term secondary school students who successfully pass their ECDL computer-user examination .

The development of ECDL in Hungary can be characterised by the following figures: over 280 accredited examination centers (including 12 in the neighboring countries), over 100.000 registrants and 53.000 diplomas. A new initiative is to provide ECDL training to people with special needs: the first 8 blind persons passed a successful ECDL examination in July 2002.

The main focus of the Hungarian participation in the **Internet Fiesta** (organized worldwide by the *Internet Society*) was in 2003 again the role of libraries supporting the population in making use of the services of the Information Society. Apart from a high level conference in Budapest, several events have been organized by libraries all over the country with active participation of local branches of *NJSZT*.

Several **international conferences** have been organized in Hungary with the direct or indirect participation of *NJSZT*, e.g.:

- MIE 2002: The XVIIth Congress of the European Federation of Medical Informatics (EFMI) in August 2002.
- in May: Twelfth International World Wide Web Conference (in cooperation with W3C and IFIP WG6.4)
- in June: EFITA, international conference on the applications of IT in agriculture
- 13th International Conference on Inductive Logic Programming (ILP 2003) Sept 29 - Oct 1, Szeged (plus: Kalmar Workshop on Logic and Computer Science)

In 2003 most of the activities of the NJSZT are devoted to the “**Neumann Year**”, i.e. the celebration of the hundred years anniversary of the birth of John von Neumann. The main event is in October: the VIIIth Congress of NJSZT with international participation, including IFIP President and two past presidents (Zemanek, Sendov).

The first day of the Congress will be devoted exclusively to the centenary celebration, with several papers about John von Neumann’s activities and his role in the history of computing. In cooperation with the Bulgarian Academy of Sciences celebrating the 100th birthday of John Atanasoff, there will be an exchange of speakers for the two conferences recognizing the role of both pioneers in the birth of electronic computing.

There will be several publications devoted to the centenary, including the re-publishing the translation of the book of A. Goldstine: “The computer from Pascal to Neumann” and several books and collections of papers on the works of John von Neumann and also on the history of computing in Hungary. An exhibition on a similar topic has been opened in Budapest in March 2003.

Younger generation is also attracted to the centenary celebrations with several competitions, including the national contest for children named Challenge 2003: Acquaint Yourself with the Countries of the EU through the Internet, and the other first, the ECDL Contest, the IT Heptathlon.

In **IFIP**, there are Hungarian activities in many TCs. A successful TC6 meeting was held in Budapest in May 2003. TC8 representative has resigned, replacement is in progress. A representative will be proposed to TC13 and a change of the representative in TC12

NJSZT continues to participate in the regional activity of **IT STAR**. At the last meeting in April 2002 (Portoroz, Slovenia) a paper was presented titled “*ICT in Hungary: Institutions, Regulations, Challenges and Applications in Academia, Industry and the Public Sector*” giving a comprehensive overview of the computing field in Hungary.(see www.ifip.or.at/it_star/hungary_report.pdf)

The IT STAR meeting in October 2003 will be hosted by NJSZT (as part of the centenary Congress mentioned above). Participants will give presentations on the topic of “*National Experiences related to ICT and the Fifth Framework Program of the EU and expectations from the Sixth Framework Program*”.

Budapest, August 26, 2003

Balint Domolki
Hungarian representative in IFIP

Member Society Report 2003/2004

NJSZT – John von Neumann Computer Society – Hungary

The Hungarian member of IFIP is the *John von Neumann Computer Society* (by Hungarian acronym: This is a professional organization established in 1968 having a membership of about 2100 individuals and over 80 companies. It has territorial organizations in 15 counties and 5 cities all over Hungary. The 20 professional communities cover most areas of the computer field

The General Assembly meeting in December 2003 made one change to the Board elected in June 2000 (see Member Society Report 2000/2001): instead of *Julia Sipka* who has served already two terms as Vice President, *Balazs Benedek* has been elected as Vice President, who will be mainly in charge of relations with the youth. At the same meeting a new program for the years 2004-2006 has been adopted, continuing the traditions of the previous (2001-03) program, concentrating on the increasing participation of the Society in the IT oriented activities of the country and providing better services to the membership.

NJSZT continues to be one of the civil organizations invited as an observer to the permanent *Parliamentary Committee on Information Technology*, which is a forum of the political parties to discuss actual problems of the ICT field, especially forthcoming legislation. The President of our society, *Peter Bakonyi* is Deputy State Secretary in the *Ministry of Information Technology and Telecommunication*, responsible for information society strategy issues.

NJSZT is very active in supporting the development of the Information Society in Hungary through its activities for the education of citizens in IT skills, playing a leading role in the nation-wide dissemination of “computer literacy”. The most important vehicle of this activity continues to be the European Computer Driving Licence (ECDL) programme. Our Society is member of the ECDL Foundation and coordinates the ECDL dissemination activity all over Hungary.

NJSZT has continued and initiated several actions to provide entry-level skills for the use of Internet to masses of the population. ECDL is a nationally accredited training for public servants and teachers and the training and testing program for handicapped people also has great progresses in the past period.

In May 2004 the Auditors of the ECDL Foundation declared in their report: “ *we would comment that ECDL Hungary is extremely well run and that the Licensee and Test Centres were extremely professional in their approach to delivering the ECDL programme.* ”

The development of ECDL in Hungary can be characterised by the following figures: over 340 accredited Test Centers (including the ones in the neighboring countries), over 140.000 registrants and 75.000 diplomas. Beyond the entry-level IT skills, NJSZT is deeply involved in the eSkill initiatives of CEPIS

In 2003 most of the activities of the NJSZT have been devoted to the “**Neumann Year**”, i.e. the celebration of the hundred years anniversary of the birth of John von Neumann.

The main event was: the VIIIth Congress of NJSZT in October 15-17. The first day of the Congress was devoted exclusively to the centenary celebration, with several presentations about John von Neumann's activities and his role in the history of computing. Speakers did include:

- leading Hungarian officials (President of the Republic, President of the Academy, Minister of Informatics and Telecommunications)
- Presidents of IFIP (*Klaus Brunstein*) and IMU (*John Ball*)
- Past presidents of IFIP *Heinz Zemanek* and *Blagovest Sendov* (represented by *Kiril Boyanov*)
- leading scientists connected with the work of John von Neumann: *Arthur Jaffe*, *Benoit Mandelbrot*
- the daughter of John von Neumann: *Marina von Neumann-Whitman*

A comprehensive overview titled "John von Neumann the Mathematician" was given by *Domokos Szasz*, professor of the Budapest Technical University.

Three world-wide acknowledged Hungarian computer scientists have been awarded by the John von Neumann Medal and gave presentations about their work:

Les Belady (Austin University)

Laszlo Lovasz (Microsoft Research)

Charles Simonyi (Intentional Programming Inc.)

Video presentation of all events of the celebration can be found at

http://www.njszt.hu/neukong2003/programme1015_0607.htm

Competitions for the younger generation are an important part of the activities of the Society. Apart from the usual student competitions (Tihamer Nemes competition for secondary school students, Logo Programming competition etc.) several special events were organized in 2003, including the national contest for children named Challenge 2003: Acquaint Yourself with the Countries of the EU through the Internet, and the ECDL Contest, the IT Heptathlon. The 24-hour Programming Contest is also becoming a tradition: in 2004 it was organized the fourth time at the Budapest Technical University with the participation of 27 teams (including 11 from abroad). There is also active participation of Hungarian students in the ACM programming contest.

A successful initiative of the John von Neumann Computer Society is the **Software Technology Forum**. Started in mid 2002, this is a quarterly event under the scientific leadership of *Les Belady*, with a talk of an internationally renowned expert about an actual software technology topic, followed by a local presentation describing related activities in Hungary. Foreign speakers and their topics have been so far:

Hermann Kopetz (University of Vienna)

Paul Clements (Carnegie Mellon University)

Linda Shafer, Don Shafer (University of Texas)

Frank Leymann (IBM Germany, Böblingen)

Richard A. DeMillo (Georgia Tech, USA)

Bertrand Meyer (ETH, Zürich, Eiffel Software)

Dieter Rombach (Universität Kaiserslautern)

Tom DeMarco (Atlantic Systems Guild)

Time-Triggered Architectures

Software Architecture in Practice

Software Project Management

Web Services

Software Security

From Eiffel to Trusted Components

Software Engineering Evidence

Risk Management

Local audience is usually over 100, complemented by webcasting attended by many people in neighboring and other countries. More information about the Forum can be found at <http://stf.rgai.hu>

In 2004 the **Internet Fiesta** (organized worldwide by the *Internet Society*) took place again in Hungary, emphasizing the role of libraries supporting the population in making use of the services of the Information Society. Apart from a high level conference in Budapest, several events have been organized by libraries all over the country with active participation of local branches of *NJSZT*.

In **IFIP**, there are Hungarian activities in many TCs. A successful TC3 meeting was held in Budapest in June 2004. There are new representatives in TC8 and TC12.

Several WG events held in Hungary did include:

- March 2004 2nd Intl. Workshop on Inter-Domain Performance & Simulation WG6.3
- June 2004 Workshop Conference on ICT, Secondary Schools and the Developing Digital Society WG3.1
- June 2004 Workshop on Learning for the 21st Century: What really matters? WG3.5

NJSZT continues to participate in the regional activity of **IT STAR**. The IT STAR meeting in October 2003 was hosted by *NJSZT* (as part of the centenarian Congress mentioned above). Participants gave presentations on the topic of “*National Experiences related to ICT and the Fifth Framework Program of the EU and expectations from the Sixth Framework Program*” which will be published in a Special Supplement of the IT STAR Newsletter, to appear in September 2004..

Budapest, August 12, 2004

Balint Domolki
Hungarian representative in IFIP

Member Society Report 2004/2005

NJSZT – John von Neumann Computer Society – Hungary

The Hungarian member of IFIP is the *John von Neumann Computer Society* (by Hungarian acronym: **NJSZT**) This is a professional organization established in 1968, having a membership of about 2300 individuals and over 100 companies. It has territorial organizations in 15 counties and 5 cities all over Hungary. The 19 professional communities cover most areas of the computer field

The Program of NJSZT for the years 2004-2006 continues the traditions of the previous (2001-03) program, concentrating on the increasing participation of the Society in the IT oriented activities of the country and providing better services to the membership.

NJSZT continues to be one of the civil organizations invited as an observer to the permanent *Parliamentary Committee on Information Technology*, which is a forum of the political parties to discuss actual problems of the ICT field, especially forthcoming legislation. In 2005 NJSZT cooperated with three other civil organizations in the preparation of a document titled **Infocommunication Industry Policy Recommendations**, intended as a contribution to the creation of the National Development Plan for the EU planning period of 2007-13

NJSZT is very active in supporting the development of the Information Society in Hungary through its activities for the education of citizens in IT skills, playing a leading role in the nation-wide dissemination of “computer literacy”. The most important vehicle of this activity continues to be the **European Computer Driving Licence (ECDL)** programme. Our Society is member of the ECDL Foundation and coordinates the ECDL dissemination activity all over Hungary.

NJSZT has continued and initiated several actions to provide entry-level skills for the use of Internet to masses of the population. ECDL is a nationally accredited training for public servants and teachers. Since 2005 secondary schools students may get ECDL as part of their final examinations (matura). The training and testing program for handicapped people also has great progresses in the past period.

The development of ECDL in Hungary can be characterized by the following figures: around 400 accredited Test Centers (including the ones in the neighboring countries), over 200.000 registrants and 100.000 diplomas. Beyond the entry-level IT skills, NJSZT is deeply involved in the eSkill initiatives of CEPIS. A new ECDL modul on digital photography has been developed on the initiative of NJSZT.

Competitions for the younger generation are an important part of the activities of the Society. Apart from the usual student competitions (Tihamer Nemes competition for secondary school students, Logo Programming competition etc.) an earlier competition has been renewed in 2004 under the title Primary and Secondary School Students Program Product Competition, producing many interesting programs written by children. The 24-hour Programming Contest is also becoming a tradition: in 2005 it was organized the fifth time at the Budapest Technical University with the participation of 30 teams, selected from 304 applicants coming from 49 countries. There is also active participation of Hungarian students in the ACM programming contest.

A successful initiative of the John von Neumann Computer Society is the **Software Technology Forum**. Started in mid 2002, this is a quarterly event under the scientific leadership of *Les Belady*, with a talk of an internationally renowned expert about an actual software technology topic, followed by a local presentation describing related activities in Hungary. The first eight events are listed in our Member Society Report 2003/2004. In the third year the following presentations were given:

<i>Sir Tony Hoare:</i>	The Verifying Compiler: a Grand Challenge for Computing Research
<i>Allan Kennedy:</i>	Model Driven Architecture and Executable UML - The Next Evolutionary Step in System Development?
<i>Henry W. (Hank) Jones:</i>	Open Source Software: Recent and Future Changes, Challenges, and Conundra
<i>Victor R. Basili:</i>	The role of Empirical Study in Software Engineering
<i>Karol Fröhaufer:</i>	The Non-virtual Reality of Testing or What's Feasible in Real World Testing

More information about the Forum can be found at <http://www.inf.u-szeged.hu/stf/>

In 2005 the **Internet Fiesta** (organized worldwide by the *Internet Society*) took place again in Hungary, emphasizing the role of libraries supporting the population in making use of the services of the Information Society. Apart from a high level conference in Budapest, several events have been organized in more than 30 local libraries all over the country with active participation of local branches of NJSZT.

In 2005 the **12nd Central-European Olympiad in Informatics** was organized by NJSZT in the historic small town in North-East Hungary, Sarospatak (July 28-Aug 4), with the participation of over 50 students from 12 countries. (see details in <http://ceoi.inf.elte.hu/ceoi2005/>)

Important **international events** with direct or indirect involvement of NJSZT include:

1. DAPSYS 2004, Austrian-Hungarian Workshop on Distributed and Parallel Systems,
Budapest, Hungary September 19-22, 2004
2. Joint Hungarian-Austrian Conference on Image Processing and Pattern Recognition (HACIPPR 2005 - OAGM 2005/KÉPAF 2005)
Veszprem, Hungary - May 11-13 2005,
3. Logic in Hungary, 2005
Conference celebrating the 100th anniversary of László Kalmár and Rózsa Péter
Budapest, August 5 11, 2005
4. IEEE ICSM International Conference on Software Maintenance ICSM2005)
Budapest, Hungary, Sept 25-30, 2005
with co-located events:
 - WSE 2005 - The 7th IEEE International Symposium on Web Site Evolution

- •SCAM 2005 - The 5th IEEE International Workshop on Source Code Analysis and Manipulation
- •VISSOFT 2005 - 3rd International Workshop on Visualizing Software for Understanding and Analysis
- •Software Evolvability 2005
- •STEP 2005 - 13th International Workshop on Software Technology and Engineering Practice

In **IFIP**, there are Hungarian activities in many TCs and – hopefully with increasing numbers - in some WGs. There is a change in TC9 representation.

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In 2005 several major international conferences are organized in Hungary by the TC members:

1. Fifth European Dependable Computing Conference (EDCC-5)
Budapest, Hungary – April 20-22, 2005
(*co-chaired by Andras Pataricza TC-10 member*)
2. European Software Process Improvement and Innovation Conference (EuroSPI)
Budapest, Hungary - November 9-11, 2005
(*local arrangement by Miklos Biro, TC-2 member*)
3. International Symposium on Business Information Systems (ISBIS'2005)
Győr, Hungary - November 10-12, 2005
(*program chair Maria Raffai TC-8 member*)

NJSZT continues to participate in the regional activity of **IT STAR**. Attended meetings in Prague (Oct. 2004) and Herceg Novi (June 2005). The Prague meeting was accompanied by a Workshop on “ICT and the Eastern European Dimension” organized by IT STAR for the EU project FISTERA. Proceedings, containing detailed country reports about information society development, can be found at <http://fistera.jrc.es>

Budapest, August 28, 2005

Balint Domolki
Hungarian representative in IFIP

Member Society Report 2005/2007

NJSZT – John von Neumann Computer Society – Hungary

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The present report spanning the period 2005-2007 covers two different program phases. The program for the years 2004-2006 continues the traditions of the previous one concentrates mainly on the increasing participation in IT oriented activities of the country and strikes to provide better services to the membership. At the end of 2006 the NJSZT GA (General Assembly) elected a new presidium, which declared the strategy for the next 3 years period (2007-2009). The motto is: “Saving traditions, fitting in with the present and influencing the future”.

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Budapest, 10th of August 2007

Balint Domolki
Hungarian representative in IFIP