

# EurOpen News Sheet

Volume 3 No. 2



Autumn 1995

## EurOpen Executive

The EurOpen Executive met for two days of management meetings in Reykjavik, Iceland on 14th and 15th July. The purpose of meeting there was to make contact with the Icelandic Group which had not paid its annual subscription nor attended EurOpen Governing Board meetings for some time.

It is a pleasure to report that a friendly and constructive meeting was held with a keen exchange of news from both sides. ICEUUG was represented by the Chairman, Magnus Gislason, Treasurer, Tomas Johannesson and Secretary, Kjartan Gudmundsson.



*Helen Gibbons and  
Kjartan Gudmundsson*

Magnus Gislason explained that the Icelandic Group was alive and doing well. It did not have individual members, only companies and institutes of which there were about 40, mostly situated in Reykjavik. The Group had originally been built around the net, but now had no connection with the network so was currently mainly involved with meetings about UNIX and related software. The Group also runs a small irregular Newsletter.

Kim Biel-Nielsen outlined the changes that had taken place within EurOpen since Iceland had last been represented at a Governing Board meeting: how at the Utrecht meeting the decision had been taken to operate "Eurocheap" and costs and activities had been cut dramatically, but now it was felt that something must be spent on providing the National Groups with key services, and so new initiatives had recently been started - re-launch of the Newsletter, EurOpen Quarterly magazine, Internet and Web services and events, to name a few.

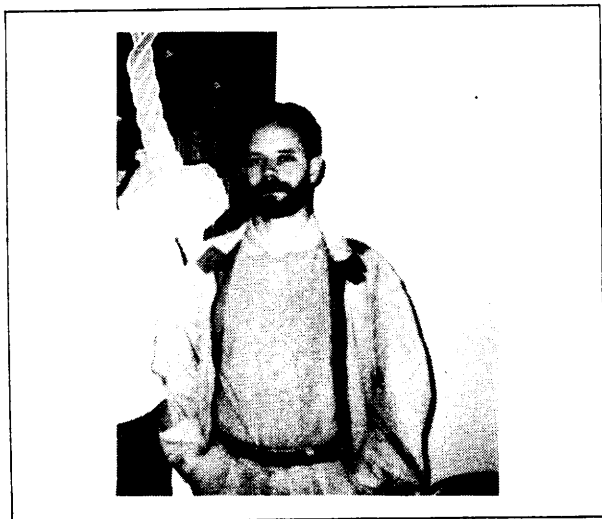
Mr. Gislason explained that when the network ceased to be run by EurOpen it had been natural for the network connection in Iceland to go over to another organisation

which would take care of the finance. However most members have retained some equity.



**Kim Biel-Nielsen and  
Chairman, Magnus Gislason**

The Icelandic Group itself has no financial problems and the Treasurer agreed now to pay the outstanding membership subscription due to EurOpen.



**ICEUUG Treasurer  
Tomas Johannesson**

Future liaison and good will on both sides was assured. The contact address for ICEUUG is:

ICEUUG  
c/o Magnus Gislason  
Dunhaga 5  
IS-107 Reykjavik  
Iceland  
Tel: + 354 525 4750  
Fax: + 354 552 8801  
Email: iceuug-s@isgate.is

## Portfolios

During the Executive meeting the following portfolios were allocated:

**Treasurer - Andrew Macpherson**  
*- with help from Kim Biel-Nielsen*

**Networking - Simon Kneyon**  
*- with help from Jan Saell and Mario Zagar*

**Events - Jan Saell** - *with help from everyone*

### External Relations:

**UniForum - Kim Biel-Nielsen** -  
*with help from Jan Saell*

**USENIX - Simon Kenyon** - *with help from Jan Saell*

**EUnet - Kim Biel-Nielsen** - *with help from Simon Kenyon*

**Publications - Kim Biel-Nielsen** -  
*with help from Helen Gibbons*

**ICT Round Table - Simon Kenyon** - *with help from Jan Saell, Jean-Michel Cornu and Kim Biel-Nielsen*

**Internal Relations - Mario Zagar**  
*- with help from everyone*

The next meeting of the Executive Committee is planned for 30th September and 1st October in Brussels.

## Finances

The current figures show that EurOpen is operating overall within its budget, though the position of a forecast deficit at the end of the year has not changed.

To help redress the balance the Chairman suggested a new class of Corporate Sponsoring Membership at an annual fee of 600 ECU's, and he offered UNIWARE to be the first such member.

The benefit of such membership was envisaged as allowing a listing in EurOpen Quarterly and other

publications and a pointer on the Web, but essentially the membership came from a desire to support EurOpen activities.

The Executive thought this proposal a good one and it was agreed to put it forward to the next Governing Board meeting. It was hoped that with this and profit from events the books could be balanced.

National Group payments are now outstanding only from Portugal, Luxembourg and Republic of Slovakia and of these Portugal have been in touch with EurOpen explaining its difficulties and promising payment in the near future.

It was pointed out that National Group Subscriptions had not been raised for several years now and it was proposed to advise the Governing Board that the Executive would like to see a 10% rise in the fee in 1997 which would still be below the figure of inflation. Alternatively there could be a raise of 5% in 1996 and 5% in 1997. This of course, will be a matter for debate at Governing Board level.

## **Events**

The Executive is currently in discussion with Dr. Josina Arfman of IBM with a view to possibly running a roadshow in Europe giving the COSE CDE update. The Seminars were proposed for March 1996 initially in Copenhagen, Prague and Paris, but the final outcome of these discussions will be reported in future News Sheets.

### **Rik Farrow Seminars**

A series of three day Seminars by Rik Farrow "Advanced UNIX and Internet Security " will be held in Budapest on 6th - 8th September and Stockholm on 11th to 13th

September, 1995, and in London and Copenhagen in 1996.

At these Seminars delegates will learn:

Well-known weaknesses of UNIX systems, and what you can do about them; how to audit UNIX systems for these weaknesses.

Attack scenarios which have been used in the past, and how to defend against them.

How to configure a WEB server for security.

How to notice if your computer or network has been probed, and what to do about it.

How a router is configured and used as part of a firewall.

The use of proxy servers in a firewall, and advanced authentication techniques available with some proxies.

These seminars are very popular and early booking is definitely recommended. Please note that prices vary depending on the costs in the host country.

## **Publishing on the Internet**

As well as the joint NLUUG/EurOpen Conference "**Publishing on the World Wide Web**" to be held on 23rd November 1995 in the Netherlands, EurOpen is organising a two day Seminar "**Publishing on the Internet**" on 23rd and 24th October 1995 in Switzerland and on 25th and 26th October in Stockholm.

Day one will include such papers as:

**Electronic Publishing Today and Tomorrow**

**What is Technically Possible**

**Web & Security**

## **A Business Plan for a Web presence**

Day two will present two parallel sessions on (1) **How to create HTML Documents** and (2) **Creating an efficient Internet presences.**

To coincide with this event it is planned to hold the next Governing Board meeting on 21st and 22nd October in Switzerland providing venues can be found.

## **News from the National Groups**



### **AFUU - France**

AFUU have decided to have a strong network policy by having its own WWW server (<http://www.afuu.fr>) and proposing more and more services and information by this way. For instance it is possible to search for bibliographic reference in the AFUU documentation center by the way of the Web server. An ftp site (<http://ftp.afuu.fr>) is also available and all the working groups tend to work more and more virtually with the help of mailing lists and protected ftp sites. In the near future an on line library of open system market products will be built.

Some new working groups appeared this year such as "Bank & Finance", more are going to start such as "Image synthesis".

AFUU will also organise three days of conferences at the end of next November (28th-30th) in le CNIT, Paris-La Defense. These conferences, subtitled "The Users speak to the Users", are performed by professional users who explain the

problems and solutions that they have to cope with.

Three subjects are scheduled for the three days :

- Migration

speakers from :

\* Europcar

\* Dassault

\* Elf

\* La Poste

\* Renault

\* ...

- Administration of distributed architectures

speakers from :

\* SNCF

\* Bourse de Paris

\* Banque Indosuez

\* ...

- Unix and Windows NT

speakers from :

\* X/Open

\* AFUU

\* OSF

\* Microsoft

For further information contact:

AFUU  
11 rue Carnot  
F-94270 Le Kremlin Bicetre  
France

Tel: + 33 1 46 70 95 90

Fax: + 33 1 46 58 94 20

Email: [secretariat@afuu.fr](mailto:secretariat@afuu.fr)



## BUUG - Belgium

Services offered by the BUUG to its members

The BUUG provides a means to exchange information and experience between users of Open Systems and manufacturers of software and hardware used in the UNIX and Open Systems world. The main missions of the BUUG on the Belgian market are in three areas:

- Promotion and exchange of information on UNIX and Open Systems
- Distribution of software and documentation
- Deployment of activities in line with EurOpen

This is done, among others, by:

- Seminars on Open Systems topics: on a regular basis, the BUUG organises seminars anticipating the needs of the Belgian UNIX community. These seminars are organised about four times a year with the participation of hardware and software vendors combined with experiences from users from the private sector as well as from universities. The first meeting of the year (January) is open to BUUG members only. On this meeting, the General Assembly is held where all the important decisions about the association are voted upon. This procedure is based upon the principle of 'one member, one vote'. Other meetings are open to the general public. Sometimes they are coupled with (commercial) exhibitions of hardware, software and services. BUUG members can attend the Conferences and tutorials at special rates, mostly free of charge for Conferences although a

reasonable fee would be asked for Tutorials.

### - Special Interest Groups (SIG):

The BUUG Linux Special Interest Group, an activity set up by the BUUG for all members of the BUUG who are interested in the Linux operating system, and its publicly available software. The Linux operating system is public domain UNIX-like system, which is almost completely POSIX compliant. It was designed by Linus Torvalds and is known for its stability and compactness.

Nevertheless it contains all features of full commercial UNIX (i.e. TCP/IP, NFS, RPC, compilers, text processor, spreadsheets, DOS emulation, UUCP, X11, OpenLook, etc...)

As services the Linux SIG provides the following three activities:

- A Linux Conference, organised twice a year (Spring & Autumn)
- A BBS where the latest information on the Linux system is available.
- A CD-ROM (published twice a year) containing the latest in public domain software and Linux related information.

A membership of the BUUG is required to participate in the Linux SIG activities.

### **The BUUG Newsletter:**

The BUUG publishes a Newsletter four times a year. This newsletter is sent to all BUUG members and gives access to technical and non-technical information about UNIX. Through this Newsletter members keep informed on the activities of the BUUG and the BUUG board. Members of the BUUG are kindly invited to submit articles for

publication. These articles should be of interest to the BUUG community and should avoid too much commercial involvement. Any member of the BUUG who produces and/or sells a product can announce it in the BUUG Newsletter. Other announcements may be submitted regarding job offers, offers to buy/sell UNIX hard/software, etc. Insertion of such announcements is free for BUUG members.

### **Mailings:**

The BUUG keeps its members informed about upcoming BUUG events and an Agenda of other events organised in Belgium which could be of interest to BUUG members.

### **Affiliation with EurOpen:**

All members of the BUUG are also members of EurOpen. This means that BUUG members will have special discounts on all activities of EurOpen and will also receive the EurOpen Newsletter, joined to the regular BUUG mailings.

Contact with other international organisations:

Usenix, UniForum and EurOpen.

Contact with manufacturers of UNIX Systems:

The BUUG organises open doors and evening visits to major vendors.

### **Address list:**

A BUUG member-list is regularly published in the Newsletter. BUUG members can obtain at any moment an up to date member list at the BUUG Secretariat

### **Price discounts:**

A BUUG membership entitles you to price discounts with several service providers (Eunet Belgium,

BOSS publications, EurOpen events ...)

### **BUUG Membership**

There are three categories of members:

- Institutional members - these members are IT companies involved in UNIX or companies using Open Systems. Institutional members designate one voting representative. Additional employees of these organisations have the right to attend BUUG activities at special rates. Institutional members are automatically members of EurOpen.

*Subscription fee 13,000 BEF*

Individual Members: individuals with a strong interest in UNIX, and who want to have a vote in the BUUG General Assembly. Individual members can attend personally all the BUUG activities and are automatically affiliated to EurOpen.

*Subscription fee 3,500 BEF*

Student Members: students in the last year of their study can join the BUUG. The benefits of this membership are restricted (i.e. the conference lunches are not free for student members).

*Subscription fee 1,500 BEF*

BUUG has also started a Linux Special Interest Group, and plans a BUUG Barbecue with music and Linux SIG on 9th September 1995. (EurOpen and NALUUG members 500 BEF; others 1,000 BEF).

On 26th October 1995 - BUUG is organising a special lecture by John Quarterman "The Matrix Today and Tomorrow" (EurOpen and NALUUG members free; others 5,000 BEF).

The contact for enquiries on any of the BUUG services is Anneliese Hendrix at

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VUB - T.W. - INFO  
Pleinlaan 2  
B-1050 Brussels  
Belgium

Tel: + 32 2 629 2978  
Fax: + 32 2 629 2870  
Email: buug@ub4b.eunet.be

Special note: BUUG now has a beautiful WEB page on <http://info1.vub.ac.be.8080/BUUG>



### **SUUG - Russia**

SUUG will organise its second International Conference "Open Systems Development and Employment" at Petrozavodsk, Karelia on 25th - 28th September 1995. Co-sponsors are:

The Committee on Information Politics of Russia President, Russian Academy of Sciences, Russian Fund of Fundamental Research, Section of Open Systems, Ministry of Sciences and Technical Policy, Board of Ministers of Karelia, Petrozavodsk State University, Society of UNIX User' Groups (SUUG), International Center for Scientific and Technical Information (ICSTI) will hold the Second International Conference "Open Systems Development and Employment"

The scientific programme of the conference will cover problems connected with fundamental and applied researches for designing and use of the latest information technologies, Open system hardware and open computer networks. The main topics of the conference include:

- *scientific basis of Open systems design;*
- *Russian state policy in Open systems environment;*
- *Open systems standards;*
- *Open systems hardware and software;*
- *tool means for Open systems design;*
- *methods and tolls for testing, certification, verification and measurement of Open systems productivity;*
- *training of specialists for Open systems using;*
- *applied developments (ecology, education, health service, social security, geoinformation and banking systems);*
- *information protection in Open systems;*
- *regional information.*

Concurrent with the conference there will be the exhibition of hardware and software solutions for Open systems. At the same time there will be the conference of the new information centres directors.

The conference encourages submission of original designs, papers and ideas and welcomes the participation of computer and software companies.

### **Program Committee**

Jdanov Vladimir Sergeevich, Professor, Academician of International Informatization Academy, chairman of the Program Committee.

Tel: +7 (095) 917-3271

[jdjanov@vsiis.miemstu.msk.su](mailto:jdjanov@vsiis.miemstu.msk.su)

## Submission of Papers

The Program Committee would like to include both technical papers and short reviews.

Submission should be in form of either a complete paper (4 - 8 pages) or at least of an extended abstract (2 pages). Please send-submissions via E-mail to the Moscow Organizing Committee

Chairman - George Ostapenko  
<gost@suugost.msk.su>

Elena Alferova  
<elena@suugost.msk.su>

by 10th August, 1995.

If your paper needs a special formatting or includes figures, please send camera-ready copy to the Organizing Committee, care of:

The Chairman of the Organizing Committee,

SUUG Executive Director

Dr. George OSTAPENKO  
International Center for Scientific  
and Technical Information (ICSTI)  
ulitsa Kuusinen, 21-b  
121 252 Moscow, Russia.

Phone: +7 (095) 198-7030,  
E-mail: gost@suugost.msk.su.  
Fax: +7 (095) 943-0089

Submissions should include name(s) of author(s), postal and E-mail addresses, and a list of keywords. Each submission will be examined on the basis of its clarity, technical quality and adherence to the topics and the general theme of the Conference.

After review by the Program Committee, acceptance/rejection of the papers will be confirmed by August 20th, 1995. Accepted papers will be published in Proceedings and will be distributed

at the Conference. Papers will be presented in forty minutes sessions with consecutive translation.

*Open systems conference schedule:*

*Papers deadline 10th August, 1995*

*Papers acceptance 20th August, 1995*

*Conference 25th - 28th September, 1995*

The venue:

The Petrozavodsk State University hosting the conference in Petrozavodsk will also provide a special social and cultural program to give participants the opportunity to:

- *establish contacts and have meetings with colleagues from-Russia and other Newly Independent States;*
- *get first-hand impressions of current governmental, economic and social developments in Russia;*
- *gain a better knowledge of Russian history, architecture, museums and theatre,*
- *the tour to Valaam island,*
- *the review the Kivach and Kizhi preserves.*

For further information, you may contact any of the following members of the Program and Organizing Committees:

Aleksandr Olejnikov,

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E-mail: olejn@casr.ac.msk.su

George Ostapenko,

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Elena Alferova,

Phone: +7 (095) 198-7030  
E-mail: elena@suugost.msk.su



Dr. Peter Brusilovsky  
<plb@cogpsy.uni-trier.de>

12.1994 to 11.1995 @ Division of  
Cognitive Psychology, FB I-  
Psychologie, Universitaet Trier, D-  
54286 Trier, Germany.

fax: +49 651 201-2955;  
phone: +49 651 201-2976



**UKUUG - United  
Kingdom**

The UKUUG have announced con-  
firmation of their current officers  
as:

**Mick Farmer - Chairman**

**Jim Reid - Secretary**

**Ivan Gleeson - Treasurer**

Among events being planned is  
"The Matrix Today & Tomorrow" a  
half day Tutorial by John Quarter-  
man in October in London and  
Edinburgh; a Conference in De-  
cember 1995 in York; a Rik Far-  
row Seminar 10th - 12th January,  
1996 and Tutorials by prominent  
tutors in March and May/June  
1996.

**EurOpen and the ICT part-  
nership**

About 50 organisations have  
signed a Memorandum of Under-  
standing proposed by the Euro-  
pean Commission concerning "A  
partnership in Information and  
Communication Technology" (ICT).

EurOpen signed this Memoran-  
dum at the very beginning, about  
2 years ago, along with many In-  
ternational and European Organi-  
sations such as :

X/Open, OSF, CEN, CENELEC,  
EWOS, Petroleum Open Software  
Corporation, OSITOP, ECMA, etc...

These organisations have  
launched several round tables as  
a place where all organisations have  
an opportunity to co-operate on a  
specific topic. Each round table is  
chaired by an organisation, Jean-  
Michel Cornu chairs, on behalf of  
EurOpen the Round Table #8 on  
Access to Information.

These round tables are:

**RT#1 An ICT Strategy for Eu-  
rope (chaired by CEPIS)**

**RT#2 Users Needs for Trans-  
European Services (chaired by  
CECUA)**

**RT#3 Universal Service (not ac-  
tive)**

**RT#4 Procurement of ICT Prod-  
ucts and services (chaired by  
OSITOP)**

**RT#5 Translating Business  
needs into Users specifications  
for standards**

**(chaired by X/Open Users Coun-  
cil)**

**RT#6 Architecture for Multi-  
vendor Networks and Platforms  
(chaired by ETIS)**

**RT#7 ICT Community Stan-  
dardisation Policy (chaired by  
EC DG III)**

**RT#8 Users co-operation for Ac-  
cess to the Information Society  
(chaired by**

**EurOpen)**

**RT#9 New Business Practices  
(chaired by EC DG XIII)**

**RT#10 Electronic Data & Infor-  
mation Interchange: Awareness  
& Promotion**

**(chaired by EEMA)**

**RT#11 Information Content  
(chaired by EIA & EUSIDIC)**

In addition the Commission has published a document ICT Information sources.

This is a short guide which give entry points in the commission in many areas. Rather than providing full information on every thing in a huge document as usual, the Commission has created this very small and useful document.

The round table #8 chaired by EuroOpen, has held three 3 meetings, and some recommendations were made in order to facilitate information exchange between the Commission and the associations and between the associations themselves. EuroOpen has decided to handle the implementation of some of the recommendations by providing a Web and Email list services to the ICT associations. This has been done in close relation with the Web activity in EuroOpen.

The "UseRLink" Web for the ICT Partnership is under development. It has been shown for the first time at the ICT Partnership plenary on July 6th, 1995 in Brussels. The home page has been translated into many language, thanks to all the EuroOpen NalUUGs in many countries who have done the job.

There is even a Greek version use Greek characters which are all GIF images (the more impressive thing is that it's working!). Links are made to the Commission Web where background on ICT Partnership and date of meetings are provided.

UseRLink will provide three main services

(1) - A database of ICT Associations with their contact (address, tel, fax, email, web when relevant)

(2) - A database of activities within the ICT Associations and the

Commission to answer questions such as Who is working in say multimedia (with contact person, address, tel, fax, email)

(3) - A place for the round tables with direct and easy links to their Email list and on line document of interest

A process is under investigation to give the Round Table Chairmen and the Association Secretariat the responsibility to provide up to date information

The UseRLink web must be seen as more than an entry point to the associations rather than a place where all the information is stored. It is expected that it will be a very useful starting point to information on ICT. While the Master Web will be in Ireland, on the EuroOpen Web, Mirror Webs are planned in UK, Sweden, Denmark and France. Proposals are also coming from Romania and Hungary.

In addition, EuroOpen may also propose to host the Web for small associations who do not yet have one.

The ICT Partnership activity is held as a specially funded project in EuroOpen.

This means that NalUUGs who are interested in it are funding the project (2,500 ecus a year). They receive in return information package on European Programmes and relevant information, and have a direct access to the ICT Activities (meetings, Email lists...). France, UK and Sweden have already joined the ICT Partnership project.

For more information, please contact Jean-Michel Cornu, the EuroOpen co-ordinator for the ICT partnership.

Jean-Michel Cornu

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FRANCE

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Email: Jean-Michel.Cornu@afuu.fr

## **News from USENIX**

USENIX have established an on-line library on the World Wide Web. Papers are available from the Conference and Symposia Proceedings on the USENIX WWW Server Starting with 1994. Future USENIX proceedings will be added to the library as they are published and proceedings from recent years will be added gradually. The URL for access to the USENIX Online Library is:  
<http://usenix.org/publications/library/index.html>

A Membership password is required.

## **THE USENIX ASSOCIATION 1995/1996 CALENDAR OF SYM- POSIA AND CONFERENCES**

**September 18-22, 1995**

### **9th USENIX SYSTEMS ADMINIS- TRATION CONFERENCE (LISA '95)**

Co-sponsored by SAGE, the System Administrators Guild

Monterey Conference Center,  
Monterey, California

Program Chairs: Tina Darmohray,  
Information Works! Inc. and Paul  
Evans, Synopses, Inc.

The USENIX LISA Conference is widely recognized as the leading technical conference for system

administrators from sites of all sizes and kinds. LISA '95 is designed to provide the latest information on such emerging issues as integration of non-UNIX and proprietary systems and networking technologies, distributed information services, network voice and video teleconferencing, and managing very complex networks. The emphasis in technical papers is on reflecting hands-on experience.

The keynote, "Hardware, Wetware, and Software", will be given by John Mashey of Silicon Graphics, Inc. Dr. Mashey will bring along an INDY workstation and the software used in Jurassic Park. The two-day tutorial program will offer full and half-day tutorials, offering expert instruction to system administrators, from novice through senior. Topics will include: System and Network Security; Firewalls; DNS; Writing HTML and Web Server Management; Perl; Introductory System Administration; Solaris Administration; Sendmail 8.7; Communicating to Non-Technical Staff; and Performance Tuning. The three days of technical sessions will consist of a first track dedicated to refereed paper presentations and a parallel track featuring invited talks, panels and Works-in-Progress sessions. Other conference activities will include a catered reception, evening Birds-of-a-Feather sessions and an informal table-top display where vendor representatives will demonstrate the latest products. A special workshop "Advanced Topics in System Administration" will be held Tuesday, September 19. The workshop will focus on the latest-breaking technical issues as introduced by participants. There is no additional fee for the workshop, however, participants must be registered for LISA '95. To attend, submit a short

proposal to the organizer, John Schimmel of Silicon Graphics, via email to <jes@sgi.com> no later than August 1. The proposal should contain a topic for discussion and explain why it is controversial. Workshop acceptances will be sent by August 14.

### **January 22-26, 1996**

#### **USENIX 1996 TECHNICAL CONFERENCE**

San Diego Marriott Hotel, San Diego, California

Program Chair: Robert Gray, U S WEST Technologies

The 1996 USENIX Technical Conference Program Committee seeks original and innovative papers about the applications, architecture, implementation, and performance of modern computing systems for presentation during the Technical Sessions. Papers that analyze problem areas and draw important conclusions from practical experience are especially welcome. A major focus of this conference is operating systems practice and experience. We seek papers describing original work and results in the design, implementation, and use of modern operating systems. Submissions describing extensions or modifications of complete and widely used operating systems are particularly encouraged in addition to those describing research systems or prototypes. Contact USENIX to receive guidelines for submitting a paper to the technical sessions; please telephone +1 510 528 8649 or email to: [usenix96authors@usenix.org](mailto:usenix96authors@usenix.org).

The Invited Talks track of the Technical Sessions complements the Refereed Paper track. The Invited Talks and panel presentations provide introductory and

advanced information about a variety of interesting topics. USENIX' well-respected tutorial program on January 22-23 will offer both introductory and advanced courses, presented by skilled teachers who are hands-on experts.

The evening Conference Reception is set for January 24 and a Vendor Display will be held January 24-25.

### **May 13-17, 1996**

#### **5th UNIX SYSTEM ADMINISTRATION, NETWORKING, AND SECURITY SYMPOSIUM (SANS V)**

Sponsored by FedUNIX, Open Systems Conference Board, and SAGE, the System Administrators Guild Washington DC

Program Chairs: Rob Kolstad and Michelle Crabb

### **September 30-October 4, 1996**

#### **10th USENIX SYSTEMS ADMINISTRATION CONFERENCE (LISA '95)**

Co-sponsored by SAGE, the System Administrators Guild Chicago Marriott, Chicago, Illinois

Program Chairs: Helen Harrison, SAS Institute and Amy Kreiling, University of North Carolina

### **October 29-November 1, 1996**

#### **2nd SYMPOSIUM ON OPERATING SYSTEMS DESIGN AND IMPLEMENTATION (OSDI '96) Seattle, Washington**

Program Chairs: Karin Petersen, Xerox PARC and Willy Zwaenepoel, Rice University

Co-sponsored by ACM SIGOPS and IEEE TCOS (pending)

OSDI '96 will again bring together professionals from academic and industrial backgrounds. The focus will be on practical issues related to operating systems for modern computing platforms such as workstations, parallel architectures, mobile computers, and high speed networks. OSDI '96 will emphasize both innovative research and quantified experience in operating systems. The symposium will consist of one day of tutorials, followed by two and a half days of technical sessions with presentations of the refereed papers, and a half-day workshop on a topic yet to be determined. One of the technical sessions will be dedicated to work-in-progress presentations. Refereed papers will be published in the Proceedings, provided free to technical session attendees and available from USENIX. Proceedings may also be distributed to ACM SIGOPS members. Papers of particular merit will be published in the IEEE TCOS Bulletin. The Program Committee is seeking papers describing original work on the design, implementation and use of modern operating systems. Besides mature work, we encourage submissions describing exceptionally promising, well-grounded speculative work, or enlightening negative results. For submission guidelines, please contact the program chairs at [osdi@cs.rice.edu](mailto:osdi@cs.rice.edu).

Since 1975 the USENIX Association has brought together the community of system administrators, engineers, scientists, and technicians working on the cutting edge of the computing world. The USENIX conferences have become the essential meeting grounds for the presentation and discussion of the most advanced information on

the developments of all aspects of computing systems.

***For more information about USENIX events, please:***

-Contact USENIX Conference Office, 22672 Lambert Street, Suite 613, Lake Forest, CA USA 92630, Telephone +1 714 588 8649, Fax +1 714 588 9706, Email: [conference@usenix.org](mailto:conference@usenix.org)

-Access the USENIX Resource Center on the World Wide Web--the URL is <http://www.usenix.org>

-Email to our mailserver at [info@usenix.org](mailto:info@usenix.org). In your message include the line "send conferences catalog."

**ANNOUNCEMENT & CALL FOR PARTICIPATION**

***USENIX 1996 TECHNICAL CONFERENCE***

***January 22-26, 1996, San Diego, CA***

The 1996 USENIX Technical Conference Program Committee seeks original and innovative papers about the applications, architecture, implementation, and performance of modern computing systems. As at all USENIX conferences, papers that analyze problem areas and draw important conclusions from practical experience are especially welcome. Some particularly interesting hot application topics are:

- *Privacy and cryptography*
- *Compression applications*
- *User interface toolkits*
- *Nomadic and wireless computing*
- *Networks and distributed computing*
- *Security*

A major focus of this conference is operating systems practice and experience. We seek papers describing original work and results in the design, implementation, and use of modern operating systems. Submissions describing extensions or modifications of complete and widely used operating systems are particularly encouraged in addition to those describing research systems or prototypes. Topics of interest in this area include but are not limited to:

- OS structure and organization
- Performance and optimization
- OS support for real time & multimedia
- OS support for embedded systems
- OS interaction with HW architecture
- Microkernel internals, servers, and applications

Note that the USENIX conference, like most conferences and journals, requires that papers not be submitted simultaneously to more than one conference or publication, and that submitted papers not be previously or subsequently published elsewhere.

Papers accompanied by non-disclosure agreement forms are not acceptable and will be returned to the author(s) unread. All submissions are held in the highest confidentiality prior to publication in the Proceedings.

#### **DATES FOR REFEREED PAPER SUBMISSIONS:**

***Extended Abstracts or Manuscripts Due: July 18, 1995***

***Notification to Authors: August 31, 1995***

***Camera-ready Papers Due: November 14, 1995***

#### **CONFERENCE SCHEDULE OVERVIEW:**

***Tutorials: January 22-23, 1996***

***Technical Sessions: January 24-26, 1996***

***Birds-of-a-Feather Sessions: January 23-25, 1996***

***USENIX Reception: January 24, 1996***

***Vendor Display: January 24-25, 1996***

#### **PROGRAM COMMITTEE:**

*Robert Gray, Program Chair  
US WEST*

*Miche Baker-Harvey  
Digital Equipment Corporation*

*David Black  
Open Software Foundation*

*Matt Blaze  
AT&T Bell Laboratories*

*Darrell Long  
University of California at Santa Cruz*

*John Ousterhout  
Sun Microsystems*

*Christopher Small  
Harvard University*

*Jonathan Smith  
University of Pennsylvania*

*Carl Staelin  
Hewlett-Packard*

*Brent Welch  
Xerox PARC*

#### **HOW TO SUBMIT A REFEREED PAPER:**

It is important that you contact the USENIX Association office to receive detailed guidelines for submitting a paper to the refereed track of the technical sessions. Please telephone 510-528-8649, or send email to:

[usenix96authors@usenix.org](mailto:usenix96authors@usenix.org).

In addition, specific questions about submissions to the USENIX 1996 Technical Conference may be made to the program chair via email at: gray@usenix.org.

The program committee will review full papers or extended abstracts. An extended abstract should be five manuscript pages (single-sided) or fewer in length. It should represent the paper in short form. If the full paper has been completed, it may be submitted instead of an extended abstract. Full papers should be limited to 12 single-spaced pages.

Include references to establish that you are familiar with related work, and, where possible, provide detailed performance data to establish that you have a working implementation and measurement tools.

#### **WHERE TO SEND SUBMISSIONS:**

Please send one copy of an extended abstract to the program chair via one of the following methods. All submissions will be acknowledged.

Preferred Method: email (Post-Script or ASCII) to:

usenix96papers@usenix.org

Alternate Method - Postal Delivery to:

**Robert Gray**

**U S WEST Technologies  
4001 Discovery Drive,  
Suite 280  
Boulder, CO 80303**

**Phone: 303 541 6014**

The authors must also submit via email to:

usenix96papers@usenix.org - the following information:

1. The title of the manuscript and the names of the authors.

2. The name of one author who will serve as a contact, their email address, day and evening phone numbers, postal mail address, and a fax number, if available.

3. An indication of which, if any, of the authors are full-time students.

4. A short abstract of the paper (75-150 words).

#### **CASH PRIZES:**

Cash prizes will be awarded for the best paper at the conference and the best paper by a full-time student.

#### **TUTORIALS**

On Monday and Tuesday, you may attend intensive, immediately practical tutorials on topics essential to the use, development, and administration of UNIX and UNIX-like operating systems, windowing systems, networks, advanced programming languages, and related technologies. The USENIX Association's well-respected program offers you both introductory and advanced courses, presented by skilled teachers who are hands-on experts in their topic areas.

USENIX will offer two days of tutorials covering topics such as:

- **System administration**
- **Systems and network security**
- **Distributed computing: DCE, DFS, RPC, CORBA**
- **Kernel internals: SVR4, Chorus, Windows NT**
- **Systems programming tools and program development**

- **Portability and interoperability**
- **Client-server application design and development**
- **Sendmail, DNS, and other networking issues**
- **GUI technologies and builders**

To provide the best possible tutorial slate, USENIX constantly solicits proposals for new tutorials. If you are interested in presenting a tutorial, contact the Tutorial Coordinator:

**Daniel V. Klein**

**Phone: 412 421 2332**

**Email: [dvk@usenix.org](mailto:dvk@usenix.org)**

## **INVITED TALKS**

Coordinators:

Mary Baker, Stanford University

Ed Gould, Digital Equipment Corp

An Invited Talks track complements the Refereed Paper track.

These talks by invited experts provide introductory and advanced information about a variety of interesting topics, such as using standard UNIX tools, tackling system administration difficulties, or employing specialized applications. Submitted Notes from the Invited Talks are published and distributed free to conference technical sessions attendees. This track also includes panel presentations and selections from the best presentations offered at 1995 USENIX conferences and symposia.

The Invited Talks coordinators welcome suggestions for topics and request proposals for particular Talks. In your proposal, state the main focus, include a brief

outline, and be sure to emphasize why your topic is of general interest to our community. Please submit via email to: [ITusenix@usenix.org](mailto:ITusenix@usenix.org).

## **WORK-IN-PROGRESS REPORTS**

Do you have interesting work you would like to share, or a cool idea that is not ready to be published? Work-in-Progress Reports are for you! Work-in-Progress Reports, scheduled during the technical sessions, introduce interesting new or ongoing work. The USENIX audience provides valuable discussion and feedback. We are particularly interested in presentation of student work. To schedule your report, contact Peg Schafer via email at [wips@usenix.org](mailto:wips@usenix.org).

## **BIRDS-OF-A-FEATHER SESSIONS**

The always popular Birds-of-a-Feather sessions (BOFs) are very informal gatherings of persons interested in a particular topic. BOFs often feature presentations or demonstrations followed by discussion, announcements, and the sharing of strategies. BOFs are offered Tuesday, Wednesday, and Thursday evenings of the conference. BOFs may be scheduled at the conference or in advance by telephoning the USENIX

Conference Office at 714 588 8649 or via email to:

[conference@usenix.org](mailto:conference@usenix.org).

## **VENDOR DISPLAY**

In the USENIX Vendor Display, emphasis is on serious answers from technically savvy vendor representatives. Vendors will demonstrate the technical innovations which distinguish their products. Here, in a relaxed environment,



conference attendees can ask questions and discuss how something will work with what they already have. Plus, you can review the newest releases from technical publishers.

Vendors: This is an exceptional opportunity for receiving feedback from USENIX's technically astute conference attendees. If your company would like to display its products and services, please contact: Zanna Knight. Telephone: 510 528 8649 FAX: 510 548 5738 Email: [display@usenix.org](mailto:display@usenix.org)

### **CONFERENCE PROGRAM & REGISTRATION INFORMATION**

Materials containing all details of the technical sessions and tutorial program, conference registration, hotel and airfare discounts, and reservation information will be available at the end of September 1995. If you wish to receive the registration materials, please contact:

USENIX Conference Office  
22672 Lambert St.,  
Suite 613  
Lake Forest,  
CA USA 92630  
  
Phone: 714 588 8649  
Fax: 714 588 9706

Email: [conference@usenix.org](mailto:conference@usenix.org)

### **The USENIX Association**

Since 1975 the USENIX Association has brought together the community of engineers, scientists, and technicians working on the cutting edge of the computing world. The USENIX Technical Conferences and symposia have become the essential meeting grounds for the presentation and discussion of the most advanced

information on new developments in all aspects of computing systems.

The USENIX Association and its members are dedicated to:

*- problem-solving with a practical bias,*

*- fostering innovation and research that works,*

*- communicating rapidly the results of both research and innovation, and*

*- providing a neutral forum for the exercise of critical thought and the airing of technical issues.*

**SAGE**, the System Administrators Guild, a Special Technical Group within the USENIX Association, is dedicated to the recognition and advancement of system administration as a profession.

For more information about USENIX membership, publications, or events, please access the USENIX Resource Center on the World Wide Web. The URL: <http://www@usenix.org>

OR: Send email to our mailserver at: [info@usenix.org](mailto:info@usenix.org). Your message should contain the line: send catalog. A catalog will be returned to you.

### **News from UniForum**

UniForum 96 will be held on  
**12th - 16th February 1996**

at **Mascone Center,  
San Francisco,  
California.**

The following tracks are planned:

***Planning for the Internet***

***Internet Technologies***

***Networked Systems Management for the Enterprise***

***Application Development***

***Open Systems Fundamentals***

***Middleware***

***Mission Critical Technologies***

***Databases on Open Systems***

***Applied Advanced Technologies***

***Integrating Microsoft Technologies with Open Systems***

***Open Networking***

***Open Systems Case Studies***

***Security***

***IT Organisational and Re-engineering Issues***

For more information, see the Uni-Forum home page at:  
<http://www.uniform.org>

## **NEXT NEWS SHEET**

National Groups - please send an informative piece about your Group for publication in the Winter News Sheet. It does keep everyone in touch with events and whats happening around the Groups.

***The copy date will be 14th September, 1995***

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## **Calendar of Events**

### **AUGUST**

6 - 11 ACM Siggraph - Los Angeles, CA, USA

8 - 10 Data Warehousing Conference - Rosemont Center, Rosemont, IL, USA - Digital Consulting Inc.

8 - 11 MacWorld Expo / Boston - World Trade Center, Boston, MA, USA - Mithc Hall Associates

13 - 16 COOCS 95 - Sheraton Silicon Valley, Milpitas, CA, USA - ACM

13 - 17 Object World - Moscone Convention Center, San Francisco, CA, USA - IDG World Expo

13 - 18 Interex 95 - Toronto, Canada

14 - 18 Computers in Context: Joining Forces in Design - Aarhus, Denmark ([bodker@daimi.aau.dk](mailto:bodker@daimi.aau.dk))

20 - 24 SCO Forum 95 - University of CA, Santa Cruz, CA, USA - Santa Cruz Operation

25 - 27 99th Nordic Symposium on Computer Simulations of Liquids and Solids - Gothenburg, Sweden ([nscs95@fy.chalmers.se](mailto:nscs95@fy.chalmers.se))

30 - ACM SIGCOMM 95 - Cambridge, MA, USA

## SEPTEMBER

5 - 9 Media Vision - Sollentunam Esan, Stockholm, Sweden

6 - 8 EurOpen Internet Security Seminar - Budapest, Hungary

11 - 13 EurOpen Internet Security Seminar - Stockholm, Sweden

11 - 14 Information Superhighway Summit - Santa Clara Convention Center, Santa Clara, CA, USA - ComNet

11 - 15 High performance networking, HPN '95 - Palma de Mallorca, Spain

12 - 14 GUUG '95 Annual Meeting and Kongress - Wiesbaden, Germany

12 - 14 Networks Expo 95 with windows World - Dallas Convention Center, Dallas, TX, USA - B. Blenheim

18 - 20 HRMS/Expo 95 - San Jose Convention Center, San Jose, CA, USA - B. Blenheim

18 - 21 AUUG - Sidney, Australia

18 - 22 USENIX - LISA - Monterey, CA, USA

19 - 21 UNIX Expo - New York, USA

25 - 29 NetWorld + Interop 95 - New York City, USA

26 - 29 Networks, Data Telecom - Stockholm, Sweden

29 - MAXIDAT Explosion - Sollentunam, Stockholm, Sweden

## OCTOBER

9 - 13 UIEEE 1003 - USA

11 - 13 Utbuldning & Framtid - Nolia, Pite, Sweden

12 - 15 SIGSOFT 95 - Washington DC, USA

15 - 19 Object-Oriented Programming, Systems, Languages and Application - Austin, TX, USA

17 - half day Seminar "The Matrix Today & Tomorrow" - John Quarterman - Edinburgh - UKUUG

19 - half day Seminar "The Matrix Today & Tomorrow" - John Quarterman - London - UKUUG

17 - 21 Tekniska, Stockholm, Sweden

23 - 24 EurOpen Conference - "Publishing on the Internet" venue tba

25 - 26 EurOpen Conference - "Publishing on the Internet" - Stockholm, Sweden

25 - 28 IEEE Parallel & Distributed Processing Symposium - San Antonio, TX, USA

26 - half day Seminar "The Matrix Today & Tomorrow" - John Quarterman - Brussels, BUUG

## NOVEMBER

1 - 1 GURU - ROSE 95 - Bucharest, Romania (rose@guru.ro)

2 - 8 DECUS - San Francisco, CA, USA

3 - 5 Datorn Hemma 95, Sollentunam, Stockholm Sweden

5 - 9 ACM Multimedia 95 - San Francisco, CA, USA

6 - 8 MacWorld Expo 95 - Stockholm, Sweden

6 - 10 NetWorld + InterOpen 95 - Paris, France

21 - 24 Scanautomatic - Svenska, Gothenburg, Sweden

22 - 25 Ljud, Ljus & Bild - Sol-lentunam, Stockholm, Sweden

23 - 24 NLUUG Conference "Publishing on the World Wide Web" - Ede De Reehorst, The Netherlands

## DECEMBER

2 - 7 DECUS - San Francisco, CA, USA

3 - 6 SOSF - Colorado, USA

4 - 8 IETF - Dallas, TX, USA

11 - 14 94th World Wide Web Conference - Boston MA, USA

## 1996

## JANUARY

10 - 12 EurOpen - Internet Security Seminar, London - EurOpen/UKUUG

15 - 17 EurOpen - Internet Security Seminar - Copenhagen, Denmark - EurOpen/DKUUG

22 - 26 USENIX - Winter Conference - San Deigo, USA

## FEBRUARY

14 - 16 UniForum Winter Conference - San Francisco, USA

## MARCH

## APRIL

## MAY

18 - 24 DECUS - Orlando, FL, USA

## JUNE

## JULY

## AUGUST

4 - 8 Interex 96 - San Diego, CA, USA

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Your Editor reminds you that all copy for the next issue should be sent to the EurOpen Secretariat, no later than 14th September, 1995.

This News Sheet is written and produced by the EurOpen Secretariat.

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