

## Speaker's List

Speaker	Company	Sessions
P. Addor	DEC	NET18
R.D. Appel	HCUG-CIH Geneva	AI05
Dr. G. Badertscher	Dr. G. Badertscher Informatik Bern	IM10
B. Baumann	DEC	NET01
B. Buclin	EPFL	NET08
R. Burgener	DEC	NET10
S. Carney	CERN	LS07
P. Cattaneo	IDSIA Lugano	AI10
G. Cooke	Demax Software, Ottawa, Canada	LS03, LS08, VAX12, VAX13
F. Dallmann	DEC	VAX03, VAX05
G. Delafontaine	EPFL	AI01, AI04, AI16, AI17
W. Dey	DEC	NET03, NET05, NET07
G. Dotzel	ModulaWare GmbH, Erlangen	MLT07
K. Emery	DEC	LS11, LS14
E. Eugster	LINKVEST Lausanne	NET09
P. Feer	DEC	LS15, VAX07, VAX15, VAX18
W. Freund	DEC	WS07
J. Fulde	DEC	MLT02, MLT05, MLT12
L.M. Gambardella	IDSIA Lugano	AI10
H. Gerber	ETHZ	RT05
R. Gezelter	Software Consultant, New York, USA	LS01, LS04, LS06, MLT11, VAX14, WS01
A. Greeff	Ennetbaden	NET02
N. Gregory	Paul Scherrer Institut	LS12, LS13
A. Griffiths	The Griffiths Group	OA01, OA06, OA12
H. Groner	DEC	WS04
B. Guenzburger	Hoffmann-La Roche Basel	AI12
A. Hangartner	ELCA Informatique SA	MLT01, MLT08

Speaker	Company	Sessions
W. Hirschle	DEC	IM05, IM07, IM09, IM11
C.W. Hobbs	DEC	LS02
H.P. Hoidn	DEC	IM04
P. Imholz	DEC	WS03, WS08, WS12
R. Johnson	IDSIA Lugano	AI02
J. Joosten	CERN	NET17
R. Juillerat	Marly	RT14, RT15
C. Kiezulas	Gensym B.V.	AI14
F. Krull	Urech & Harr AG MuttENZ	RT09
S. Lauterburg	GD PTT, Bern	NET16
W. Leuenberger	DEC	RT01
U. Loeliger	Commcare AG	NET20
P. Loreggia	DEC	OA02, OA08
N. Lorengo	DEC	OA11
O. Lutz	Rathaus-Apotheke, Winterthur	IM01, IM06
A. Müller	DEC	RT11
D. Mannes	Zühlke Engineering AG, Schlieren	MLT04
H. Michel	DEC	NET15
Ch. Mischler	DEC	RT06
A. Mühlemann	Koller & Partner AG, Baeretswil	AI13
R. Nedela	PeriTEC Kreuzlingen	WS02
V.T. Nguyen	Philip Morris FTR Neuchâtel	MLT03
H. Niedermann	Institut KALI AG	WS05
W. Oehen	SOPROCON, Schindellegi	MLT10, VAX01, VAX06, VAX10
P.O. Opdahl	N-Ostenstad	AI15
K. Osborne	Integral Solutions Ltd. GB-Basingstoke	AI06
B. Pedrazzini	MOOR AG	RT03, RT08
C. Picozzi	DEC	OA09
P. Ranisch	DEC München	RT13, RT17
A. Reiser	ARL Ecublens	NET04
M. Rosner	IDSIA, Lugano	AI08
N. Rowden	Integra - Signum AG	MLT09
R. Rueff	DEC	NET01
W. Sauer	PARSEC, Colorado, USA	VAX08, VAX09, VAX16, VAX17, VAX19, VAX20

<b>Speaker</b>	<b>Company</b>	<b>Sessions</b>
E. Schaller	DEC München	RT12, RT16
T. Schell	Hoffmann-La Roche Basel	NET06
P. Schilling	DEC	VAX02, VAX04
K. Schmitt	DEC	WS11
J. Schweizer	PCE, Cham	NET12, RT07
B. Seifert	Wellfleet Corp.	NET19
A. Seiler	NESTEC SA Lausanne	AI11
M. Seitz	DEC	RT02, RT04
G. Smehil	Vermessungsamt Stadt ZH	IM08
C. Smith	DEC	IM03
T. Speake	DEC USA	LS10
G. Staehelin	DEC	IM02
E. Straub	DEC	NET01
C. Stutz	DEC	AI03
A. Sutter	DEC	WS06, WS10
T.J. Tanzer	Information Informatisée, Lausanne	VAX11
U. Thielmann	DEC	OA07
M. Thorne	Vitalink Corporation	NET13
P. Trachsel	DEC	WS09
T. Tremp	ABB Infocom AG, Turgi	AI09
G. Tritt	Tritt Consulting	OA03, OA04, OA05, OA10
D. Uster	DEC	LS09
C. Wacker	Université de Neuchâtel	NET11
A. Weyermann	Urech & Harr Muttenz	MLT06
W. Widmer	DEC	NET14
R. Williams	DEC	LS05
A. Zaalberg	Softnorm AG, Rotkreuz	AI07
U. Zemp	Moor Data AG Bern	RT10

## List of Sessions

Session: **AI01**

Title: **AI Stream Road Map**

Speaker: G. Delafontaine, EPFL

Date: Tue 9 April 1991, 1400, 30 min

Room: Press

Language: English

Session: **AI02**

Title: **Artificial Intelligence in Ticino**

Speaker: R. Johnson, IDSIA Lugano

Date: Tue 9 April 1991, 1430, 30 min

Room: Press

Language: English

IDSIA is an academic research institute which conducts basic research in Artificial Intelligence. An overview of the main research projects such as semantic representation for dialogue and discourse, intelligent tutoring systems, modelling of physical objects and others is presented along with future goals for Artificial Intelligence and the institute.

Session: **AI03**

Title: **Artificial Intelligence at DEC Switzerland**

Speaker: C. Stutz, DEC

Date: Tue 9 April 1991, 1500, 60 min

Room: Press

Language: English

Session: **AI04**

Title: **Artificial Intelligence in Europe**

Speaker: G. Delafontaine, EPFL

Date: Tue 9 April 1991, 1700, 30 min

Room: Press

Language: English

This session will present an overview of Artificial Intelligence activities across Europe.

Session: **AI05**

Title: **Will Artificial Intelligence Ever Help the Physician?**

Speaker: R.D. Appel, HCUG-CIH Geneva

Date: Wed 10 April 1991, 0930, 60 min

Room: Press

Language: English

Two-dimensional electrophoresis is a biochemical analysis technique producing protein maps. Its sensitivity (up to 5'000 proteins measurable on one map) could make it a valuable medical diagnostic tool. Nevertheless, the maps are very complex and difficult to interpret. The Melanie project uses artificial intelligence techniques to facilitate the diagnostic process.

Session: **AI06**

Title: **Complex Expert Systems or Growing out of One's Shell**

Speaker: K. Osborne, Integral Solutions Ltd. GB-Basingstoke

Date: Wed 10 April 1991, 1100, 60 min

Room: Press

Language: English

Designing an expert system can be difficult for many reasons. One reason is that the end-user is not always sure where precisely to deploy the technology to solve his/her problem; another is that a human with the relevant expertise is not always readily available and in some cases does not exist. This paper addresses both problems and offers an approach which has already proved successful for many developers.

Session: **AI07**

Title: **KBMS System overview under VMS and Ultrix**

Speaker: A. Zaalberg, Softnorm AG, Rotkreuz

Date: Wed 10 April 1991, 1330, 60 min

Room: Press

Language: English



AICorp's KBMS - Knowledge Base Management System - overview including: extended object system, knowledge representation, reasoning, GUI, database access, systems integration.

Session: **AI08**  
Title: **Portable AI Lab: An Integrated AI Toolkit**  
Speaker: M. Rosner, IDSIA, Lugano  
Date: Wed 10 April 1991, 1430, 30 min  
Room: Press  
Language: English

The aim of the project is to realise a state-of-the-art, integrated toolkit for AI concepts, techniques, and languages in different application domains. Users will be in a position to experience AI problem-solving directly without having to build all the programming support from scratch. The system will eventually be implemented with standard tools, and will be distributed in source form at nominal cost.

Session: **AI09**  
Title: **Configuration and Automatic Documentation with DB and Expert System**  
Speaker: T. Tremp, ABB Infocom AG, Turgi  
Date: Wed 10 April 1991, 1500, 30 min  
Room: Press  
Language: English

This paper focus on a software system to design a configuration and to generate automatically the specific documentation for power transmitter stations using an expert system, databases and desktop publishing software.

Session: **AI10**  
Title: **Artificial Life and Genetic Algorithms: An Overview**  
Speaker: P. Cattaneo, IDSIA Lugano  
Date: Thu 11 April 1991, 0900, 30 min  
Room: Press  
Language: English

Can we reproduce life artificially? The goal of Artificial Life is to simulate the complex world of natural living systems. The basic concept is to describe a system as a composition of simple elements which produce a global behavior by local interaction. This article provides an overview of Artificial Life and shows how computers are used in the exploration of complex phenomena.

Session: **AI11**  
Title: **Small Expert Systems Shells in the Manufacturing Industry**  
Speaker: A. Seiler, NESTEC SA Lausanne  
Date: Thu 11 April 1991, 0930, 30 min  
Room: Press  
Language: English

Small PC based expert system shells have evolved and now offer solutions to certain well-defined problems. These solutions may be less interesting in terms of AI, but are particularly well adapted to the needs of the manufacturing industry both in view of their practical value and economic viability. The presentation will give a situation analysis and a summary of first experiences (Demo).

Session: **AI12**  
Title: **The Sow Productivity Analyzer**  
Speaker: B. Guenzburger, Hoffmann-La Roche Basel  
Date: Thu 11 April 1991, 1000, 30 min  
Room: Press  
Language: English

A diagnostic System to analyze the productivity of sows has been developed during and after attending the Digital AI Fellowship in 1989. Productivity of sows is assessed with three different parameters. In case of insufficient productivity a detailed analysis is performed in a typical knowledge based system.

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Session: **AI13**

Title: **Architecture of a Chemical Diagnosis System Based on NEXPERT**

Speaker: A. Mühlemann, Koller & Partner AG, Baeretswil

Date: Thu 11 April 1991, 1030, 30 min

Room: Press

Language: English

A consequent separation of the knowledge part from the program code increases dramatically the flexibility and maintainability of a program. The knowledge is no longer "hard wired" but maintained externally using the NEXPERT Object expert system shell. A feedback mechanism ensures that the user's experience flows back to the knowledge engineering point.

Session: **AI14**

Title: **The G2 Realtime Expert System Applications**

Speaker: C. Kiezulas, Gensym B.V.

Date: Thu 11 April 1991, 1100, 60 min

Room: Press

Language: English

This paper will discuss applications in process control and other areas using the G2 Real-time Expert System. The talk will discuss major technical aspects of G2 and summarize the experiences of G2 users who have published technical papers or provided information about their application.

Session: **AI15**

Title: **Building Decision Support Systems for Operators Using G2**

Speaker: P.O. Opdahl, N-Ostenstad

Date: Thu 11 April 1991, 1400, 60 min

Room: Press

Language: English

Expert Systems have already found many applications in process industry and seem to be particularly well applicable in process control involving operators. By providing the best knowledge available to all operators, economics,

safety and quality may improve considerably. G2 is a Real Time Expert System able to reason about time dependent behaviour. The paper describes currently operative expert systems for operators, developed using G2.

Session: **AI16**

Title: **AI Questions & Answers**

Speaker: G. Delafontaine, EPFL

Date: Thu 11 April 1991, 1500, 30 min

Room: Press

Language: English

Session: **AI17**

Title: **AI Business Meeting**

Speaker: G. Delafontaine, EPFL

Date: Thu 11 April 1991, 1530, 30 min

Room: Press

Language: English

Session: **IM01**

Title: **IM Roadmap**

Speaker: O. Lutz, Rathaus-Apotheke, Winterthur

Date: Wed 10 April 1991, 1300, 30 min

Room: C1

Language: English

Session: **IM02**

Title: **RSTS Update**

Speaker: G. Staehelin, DEC

Date: Wed 10 April 1991, 1330, 60 min

Room: C1

Language: English

Session: **IM03**

Title: **VAX RTR Update**

Speaker: C. Smith, DEC

Date: Wed 10 April 1991, 1430, 60 min

Room: C1

Language: English

RTR. Software Fault Tolerant Transaction Processing. Do you want to avoid inventing a routing layer for your application software which, using a simple programming interface, provides



automatic rerouting of transactions following various types of hardware and software failure, supports shadow sites, automatic message flow control, supports concurrent servers and authentication servers, not to mention an easy-to-use System Manager interface, allowing painless system expansion to cope for increased throughput, a powerful user-configurable transaction monitor, reduces application development time, reduces application maintenance and extension effort, enjoys Digital's product support, and more...?

Yes? Then you are invited to find out more about the VAX Reliable Transaction Router (RTR).

Session: **IM04**

Title: **Integration of Object-Oriented Programming and Databases**

Speaker: H.P. Hoidn, DEC

Date: Wed 10 April 1991, 1530, 60 min

Room: C1

Language: English

Object-oriented programming (OOP) used for end-user applications should be integrated with DB-systems to obtain multi-user OO-systems. This approach needs: (i) An unifying modelling which in OO covers concurrently design and implementation. (ii) A session design which manages long transactions with an appropriate locking strategy. (iii) A project management which integrates different "worlds".

Session: **IM05**

Title: **DECdtm Overview**

Speaker: W. Hirschle, DEC

Date: Wed 10 April 1991, 1630, 60 min

Room: C1

Language: English

DECdtm (Distributed Transaction Management) services are embedded in the VMS Operating System V5.4. These services allow 'global transactions' over one or more VMS systems

using different data management products like VAX Rdb/VMS, RMS and VAX DBMS. This session gives an overview on the two-phase commit protocol used with DECdtm

Session: **IM06**

Title: **IM Business Meeting**

Speaker: O. Lutz, Rathaus-Apotheke, Winterthur

Date: Wed 10 April 1991, 1730, 30 min

Room: C1

Language: English

Session: **IM07**

Title: **Rdb/VMS V 4.0 Update**

Speaker: W. Hirschle, DEC

Date: Thu 11 April 1991, 0900, 60 min

Room: D

Language: English

VAX Rdb/VMS is a full-function, SQL-based relational database management system designed for VMS. This session gives an update on the latest version of VAX Rdb/VMS. VAX Rdb/VMS V4.0 is a new release with many new features including: two-phase commit, C2 security, SQL enhancements, RMU enhancements, optimizer enhancements, new data types and others.

Session: **IM08**

Title: **The Project IVW**

Speaker: G. Smehil, Vermessungsamt Stadt ZH

Date: Thu 11 April 1991, 1000, 60 min

Room: D

Language: English

The Vermessungsamt of the city of Zurich implemented a non-standard Data Base for cadastral data. Besides of Attributes the data base can store vectorial graphics. Having the owner cadaster over the whole area of the city, other users are able to build up their own digital cadasters, e.g. Water-mains, gaspipes, etc. This data can be used for numerous expert system appli-

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cations, e.g. for simulation programs. development of VAX Rally.

Session: **IM09**

Title: **Using DECTrace/RdbExpert**  
Speaker: W. Hirschle, DEC  
Date: Thu 11 April 1991, 1100, 60 min  
Room: D  
Language: English

DECTrace and RdbExpert are tools for the performance measurement of an application resp. for the physical database design of an Rdb/VMS database. DECTrace provides an event-driven data collector. It records performance and transaction related information from an application. This information is used to generate application specific statistics. RdbExpert takes DECTrace and other data as input and allows the modelling of the physical database design of an Rdb/VMS database. This session gives an overview on both of these two related products.

Session: **IM10**

Title: **BRICK**  
Speaker: Dr. G. Badertscher, Dr. G. Badertscher Informatik Bern  
Date: Thu 11 April 1991, 1400, 60 min  
Room: D  
Language: German

Session: **IM11**

Title: **Rally V 2.2 and Futures**  
Speaker: W. Hirschle, DEC  
Date: Thu 11 April 1991, 1500, 60 min  
Room: D  
Language: English

VAX RALLY is a powerful application development tool, designed for simple to moderately complex applications. RALLY provides modules to construct menus, forms, reports and messages and others. This session gives an update on the latest release of VAX Rally. It covers the new features coming along with version 2.2 as well as the future

Session: **LS01**

Title: **Strategies for Remote Computing**  
Speaker: R. Gezelter, Software Consultant, New York, USA  
Date: Tue 9 April 1991, 1500, 60 min  
Room: E  
Language: English

Session: **LS02**

Title: **VMS Risc Server**  
Speaker: C.W. Hobbs, DEC  
Date: Wed 10 April 1991, 0900, 30 min  
Room: E  
Language: English

Session: **LS03**

Title: **Security Management**  
Speaker: G. Cooke, Demax Software, Ottawa, Canada  
Date: Wed 10 April 1991, 0930, 60 min  
Room: E  
Language: English

Session: **LS04**

Title: **Security, the Forgotten Issue**  
Speaker: R. Gezelter, Software Consultant, New York, USA  
Date: Wed 10 April 1991, 1030, 60 min  
Room: E  
Language: English

Session: **LS05**

Title: **VMS Security Update**  
Speaker: R. Williams, DEC  
Date: Wed 10 April 1991, 1330, 30 min  
Room: E  
Language: English



Session: **LS06**  
 Title: **Network Disaster Planning**  
 Speaker: R. Gezelter, Software Consultant, New York, USA  
 Date: Wed 10 April 1991, 1400, 60 min  
 Room: E  
 Language: English

will include an overview of how VPA is implemented, the features of various reports and extensive discussion on the interpretation of VPA graphs. Finally a summary of the Performance Management and Capacity Planning product strategy will be given.

Session: **LS07**  
 Title: **CERN Cluster Automatic Operation Service**  
 Speaker: S. Carney, CERN  
 Date: Wed 10 April 1991, 1500, 60 min  
 Room: E  
 Language: English

Session: **LS12**  
 Title: **VAX 9000 at PSI**  
 Speaker: N. Gregory, Paul Scherrer Institut  
 Date: Thu 11 April 1991, 1330, 30 min  
 Room: E  
 Language: English

Session: **LS08**  
 Title: **Disk Management**  
 Speaker: G. Cooke, Demax Software, Ottawa, Canada  
 Date: Wed 10 April 1991, 1600, 60 min  
 Room: E  
 Language: English

A VAX 9000-410 with Vector Processor was installed at PSI last November. This presentation will cover the installation, cluster integration and usage of this class of computer in a scientific environment. This presentation will be followed by a VAX 9000 panel discussion.

Session: **LS09**  
 Title: **Storage Management**  
 Speaker: D. Uster, DEC  
 Date: Thu 11 April 1991, 0900, 60 min  
 Room: E  
 Language: English

Session: **LS13**  
 Title: **VAX 9000 Panel**  
 Speaker: N. Gregory, Paul Scherrer Institut  
 Date: Thu 11 April 1991, 1400, 30 min  
 Room: E  
 Language: English

Session: **LS10**  
 Title: **Configuring Complex VAX-cluster Systems**  
 Speaker: T. Speake, DEC USA  
 Date: Thu 11 April 1991, 1000, 60 min  
 Room: E  
 Language: English

Session: **LS14**  
 Title: **Towards 'Lights-out' Computing**  
 Speaker: K. Emery, DEC  
 Date: Thu 11 April 1991, 1430, 60 min  
 Room: E  
 Language: English

Session: **LS11**  
 Title: **VAX Performance Analyzer**  
 Speaker: K. Emery, DEC  
 Date: Thu 11 April 1991, 1100, 60 min  
 Room: E  
 Language: English

It has long been the datacentre managers dream to have an automated hands-off computer centre. This is, today, a reality. This session will discuss the progress towards 'lights-out' computing, firstly reviewing the terminology and then describing the benefits of going 'lights-out'. This will be followed by a review of the necessary tools and

This session will present how VPA is used in a large Digital datacentre. This

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finally an implementation strategy will be discussed.

Session: **LS15**

Title: **Disk Striping**

Speaker: P. Feer, DEC

Date: Thu 11 April 1991, 1530, 30 min

Room: E

Language: English

Disk Striping meets the need of many applications that require extremely high transfer rates from the disk subsystem. Where does striping fit in the continually evolving storage hierarchy? Attend this session for an overview of striping technology, an explanation of several implementation methodologies, and how you can benefit from load balancing.

Session: **MLT01**

Title: **MLT Roadmap**

Speaker: A. Hangartner, ELCA Informatique SA

Date: Tue 9 April 1991, 1330, 30 min

Room: C2

Language: English

Session: **MLT02**

Title: **Hyperinformation Technology for the 90's**

Speaker: J. Fulde, DEC

Date: Tue 9 April 1991, 1400, 60 min

Room: C2

Language: English

Session: **MLT03**

Title: **The CHIM approach**

Speaker: V.T. Nguyen, Philip Morris FTR Neuchâtel

Date: Tue 9 April 1991, 1500, 60 min

Room: C2

Language: English

Based on the concept CHIM (Computer & Human Integrative Manufacturing), the presentation will highlight the importance of human factor

in the success of any implementation program, especially when it consists of high/new technologies or emerging concepts such as CIM, TQM, TPM... As solution proposal, some applications will be presented as tools to get rid of the confrontation between Technology-centered manufacturing and Human-centered manufacturing.

Session: **MLT04**

Title: **Psychologie und Management der CASE-Einführung**

Speaker: D. Mannes, Zühlke Engineering AG, Schlieren

Date: Tue 9 April 1991, 1600, 30 min

Room: C2

Language: German

CASE ist im Software-Zeitalter ein viel diskutiertes Thema. Wer sich jedoch mit CASE auseinandersetzt, sollte sich nicht nur mit der Evaluation von Tools und deren Methoden auseinandersetzen. Es gibt viele Aspekte, die vor einer CASE-Einführung berücksichtigt werden müssen. Haben Sie zum Beispiel an die Organisation, Psychologie und das Management gedacht?

Session: **MLT05**

Title: **DEC's Repository - VAX CDD/Repository: A Technical Overview**

Speaker: J. Fulde, DEC

Date: Thu 11 April 1991, 0900, 60 min

Room: C2

Language: English

Session: **MLT06**

Title: **Stepwise Refinement & Program Documentation**

Speaker: A. Weyermann, Urech & Harr Muttenz

Date: Thu 11 April 1991, 1000, 30 min

Room: C2

Language: English

How to use LSE and other Tools (i.e. Keyone) for stepwise refinement and

Program Documentation.

Session: **MLT07**

Title: **How I extended the VAX ISO-Modula-2 Compiler with COMPLEX.**

Speaker: G. Dotzel, ModulaWare GmbH, Erlangen

Date: Thu 11 April 1991, 1030, 30 min

Room: C2

Language: English

The emerging ISO-Modula-2 Standard extends Wirth's Modula-2 by the data type (Long)Complex, associated arithmetic operators and Library modules. It is shown how this language extension was accomplished and what execution time speed-up was gained.

Session: **MLT08**

Title: **MLT Business Meeting**

Speaker: A. Hangartner, ELCA Informatique SA

Date: Thu 11 April 1991, 1100, 30 min

Room: C2

Language: English

Session: **MLT09**

Title: **One VAX - Many SW Projects**

Speaker: N. Rowden, Integra - Signum AG

Date: Thu 11 April 1991, 1130, 30 min

Room: C2

Language: English

Session: **MLT10**

Title: **CASE - One Step Beyond - The Virtual Software Factory Methods Engineering Workbench**

Speaker: W. Oehen, SOPROCON, Schindellegi

Date: Thu 11 April 1991, 1300, 60 min

Room: C2

Language: English

Case Tools off the shelf may limit the user to much. Method Engineering Workbenches allow to construct and

maintain adapted or specific Methods. The Virtual Software Factory Methods Workbench provides interactive facilities for rapidly implementing particular methodologies, by defining the rules and notations - effectively animating a formal specification of the method's conceptual model.

Session: **MLT11**

Title: **Introduction to Postscript**

Speaker: R. Gezelter, Software Consultant, New York, USA

Date: Thu 11 April 1991, 1400, 60 min

Room: C2

Language: English

Session: **MLT12**

Title: **VUIT DEC's Visual User Interface Tool**

Speaker: J. Fulde, DEC

Date: Thu 11 April 1991, 1500, 60 min

Room: C2

Language: English

Session: **NET01**

Title: **DEC's Way of Computing**

Speaker: R. Rueff, DEC

Date: Tue 9 April 1991, 1115, 30 min

Room: A

Language: English

Session: **NET02**

Title: **DECLanWorks / MacIntosh**

Speaker: A. Greeff, Ennetbaden

Date: Tue 9 April 1991, 1430, 30 min

Room: Th

Language: German

Erfahrungsbericht über Möglichkeiten der Vernetzung von MacIntosh II - Systemen via DECLanworks mit VAX/VMS 5.3.



Session: **NET03**  
 Title: **Understanding Phase V Routing**  
 Speaker: W. Dey, DEC  
 Date: Tue 9 April 1991, 1500, 60 min  
 Room: Th  
 Language: English

This session discusses the advantages of Phase V routing over Phase IV routing, and the planning required and issues to be resolved in migrating the network from Phase IV to Phase V.

Session: **NET04**  
 Title: **P.S.I. Security and DECnet**  
 Speaker: A. Reiser, ARL Ecublens  
 Date: Tue 9 April 1991, 1600, 30 min  
 Room: Th  
 Language: English

Introduction to VAX PSI; native, access and combination mode; the PAD, PSI Mail, the DLM circuits; PSI Accounting; local DTE and destination contract databases; how PSI checks the access; an example of PSI security setting.

Session: **NET05**  
 Title: **Network Security Gateway V 1.0**  
 Speaker: W. Dey, DEC  
 Date: Tue 9 April 1991, 1630, 30 min  
 Room: Th  
 Language: English

This session discusses the Network Security Gateway as a means to isolate a portion of a network, permitting only non-harmful communications or those from trusted users to pass through into the unprotected domains that lie behind them. V1.0 of the Network Security Gateway will be offered as an option to VMS host based routers.

Session: **NET06**  
 Title: **DDS-Administration**  
 Speaker: T. Schell, Hoffmann-La Roche Basel  
 Date: Wed 10 April 1991, 0830, 30 min  
 Room: Th  
 Language: German

DDS serves as a database for addressing of EMail users inside a mail system. The message router and the mail directory form the basis of this system leading eventually to a X.500 directory structure. However, the handling and administration of DDS, including the integration of IBM Mail users, is not very easy, especially in a worldwide company. An example of how it is administered in our company will be shown.

Session: **NET07**  
 Title: **Integrated Routing (OSI, TCP/IP)**  
 Speaker: W. Dey, DEC  
 Date: Wed 10 April 1991, 0900, 60 min  
 Room: Th  
 Language: English

This session discusses an extension to the ISO IS-IS Routing Protocol (DIS 10589) which supports routing in TCP/IP environments, as well as mixed TCP/IP, Phase V/OSI and DECnet Phase IV environments. This approach allows multi-protocol routers use only one routing protocol, thereby saving on network management effort, implementation effort, network bandwidth, and router memory and CPU resources.

Session: **NET08**  
 Title: **Phase V Transition Plan**  
 Speaker: B. Buclin, EPFL  
 Date: Wed 10 April 1991, 1000, 60 min  
 Room: Th  
 Language: English

Some scenarios for a transition to DECnet phase V of a WAN including several areas and international links.

Session: **NET09**

Title: **Applications Architectures**  
 Speaker: E. Eugster, LINKVEST Lausanne  
 Date: Wed 10 April 1991, 1100, 30 min  
 Room: Th  
 Language: English

Describe role and status of applications architectures in providing compatible access to incompatible machines.

Session: **NET10**

Title: **Planning your Open Network**  
 Speaker: R. Burgener, DEC  
 Date: Wed 10 April 1991, 1130, 60 min  
 Room: Th  
 Language: English

Session: **NET11**

Title: **ISDN and LAN**  
 Speaker: C. Wacker, Université de Neuchâtel  
 Date: Wed 10 April 1991, 1330, 30 min  
 Room: Th  
 Language: English

Some experiences will be presented about the use of ISDN (SwissNet and MegaCom) to interconnect several LAN's in Switzerland. Special emphasis will be on the use of routers to establish automatic calls and disconnections. There will be also comparison between the use of based and switched lines.

Session: **NET12**

Title: **NAS für CIM**  
 Speaker: J. Schweizer, PCE, Cham  
 Date: Wed 10 April 1991, 1400, 60 min  
 Room: Th  
 Language: German

Session: **NET13**

Title: **Network Solutions from Vitalink**  
 Speaker: M. Thorne, Vitalink Corporation  
 Date: Wed 10 April 1991, 1500, 60 min  
 Room: Th  
 Language: English

This session discusses network solutions based on Vitalink's bridge and router products: TRANSLAN, TRANSPATH. Special emphasis will be given on networkmanagement based on LANmanager and DECMCC and the benefits of Bridge Domain Segmentation for large extended LAN's.

Session: **NET14**

Title: **Enterprise Wide IT Resource Management Based on EMA**  
 Speaker: W. Widmer, DEC  
 Date: Wed 10 April 1991, 1600, 60 min  
 Room: Th  
 Language: English

Session: **NET15**

Title: **Frame Relay and Stratacom Products**  
 Speaker: H. Michel, DEC  
 Date: Wed 10 April 1991, 1700, 60 min  
 Room: Th  
 Language: English

Session: **NET16**

Title: **X.400 MHS: PTT VANS arCom 400 - PTT Intracompany MHS**  
 Speaker: S. Lauterburg, GD PTT, Bern  
 Date: Thu 11 April 1991, 0900, 60 min  
 Room: Th  
 Language: English

After a short introduction into the why's, how's and when's of the X.400 Message Handling System, you will be informed of the present state and future evolution of the X.400 community in Switzerland and worldwide as well as the range of PTT's public X.400 series. Finally the plans, realisation and



experiences of the PTT internal, company wide X.400-messaging will be presented.

Session: **NET17**  
Title: **The CERN Multi-Vendor FDDI Pilot Project**  
Speaker: J. Joosten, CERN  
Date: Thu 11 April 1991, 1000, 60 min  
Room: Th  
Language: English

In 1989 the European Laboratory for Particle Physics started a project to introduce multivendor FDDI at CERN. A collaboration with IBM, DEC and HP/APOLLO was started to test FDDI equipment in the complex CERN network environment. Project context, problems and conclusions are reviewed.

Session: **NET18**  
Title: **Die Einbindung von Applikationen in Fremdunggebung "Technologische Aspekte"**  
Speaker: P. Addor, DEC  
Date: Thu 11 April 1991, 1100, 60 min  
Room: Th  
Language: German

Session: **NET19**  
Title: **Wellfleet Routers**  
Speaker: B. Seifert, Wellfleet Corp.  
Date: Thu 11 April 1991, 1400, 60 min  
Room: Th  
Language: English

This presentation will describe the driving factors of multiprotocol routing in the 90's. After a critical analysis of the design goals, effective implementation strategies are presented. Wellfleet Multiprotocol Routers benefit of a HW and SW architecture, that satisfies the mandatory design goals. Future trends in routing technologies will be discussed finally.

Session: **NET20**  
Title: **Network Solutions with Nodal Processors**  
Speaker: U. Loeliger, Commcare AG  
Date: Thu 11 April 1991, 1500, 60 min  
Room: Th  
Language: English

Session: **OA01**  
Title: **OA Roadmap**  
Speaker: A. Griffiths, The Griffiths Group  
Date: Tue 9 April 1991, 1430, 30 min  
Room: C1  
Language: English

Session: **OA02**  
Title: **Future Directions of ALL-IN-1**  
Speaker: P. Loreggia, DEC  
Date: Tue 9 April 1991, 1500, 60 min  
Room: C1  
Language: English

This session will cover ALL-IN-1 in the future, the relationship between ALL-IN-1, NAS and Standards. It gives an overview of what ALL-IN-1 Phase II is, what role the DESKtop products (ALL-IN-1 DESKtop for DOS and for MAC, ALL-IN-1 Services for VMS DECwindows) play and how the Work Groups concept is implemented in ALL-IN-1. Informations and news in the Office Automation area, and availability dates will also be presented.

Session: **OA03**  
Title: **Cost & Benefit of Office Automation**  
Speaker: G. Tritt, Tritt Consulting  
Date: Tue 9 April 1991, 1600, 30 min  
Room: C1  
Language: English

This presentation summarizes the many objective and subjective factors that influence the success of office automation. It describes methods for measuring productivity improvements



and implementation costs - including the costs of training, support and of changing office procedures. These results give a basis for justifying (or rejecting) the automation of office applications.

Session: **OA04**  
 Title: **Alternative Training Methods & Materials**  
 Speaker: G. Tritt, Tritt Consulting  
 Date: Tue 9 April 1991, 1700, 60 min  
 Room: C1  
 Language: English

Session: **OA05**  
 Title: **Alis Office Automation Software**  
 Speaker: G. Tritt, Tritt Consulting  
 Date: Wed 10 April 1991, 0900, 60 min  
 Room: C1  
 Language: English

Session: **OA06**  
 Title: **OA Business Meeting**  
 Speaker: A. Griffiths, The Griffiths Group  
 Date: Wed 10 April 1991, 1000, 30 min  
 Room: C1  
 Language: English

Session: **OA07**  
 Title: **DESK - The New Interface for DECwindows**  
 Speaker: U. Thielmann, DEC  
 Date: Wed 10 April 1991, 1030, 60 min  
 Room: C1  
 Language: English

DESK is a modern user interface based on object oriented concepts, where objects can be represented as icons and from which key applications like DECwrite can be started by clicking on an object icon. DESK itself provides a key application: the possibility of storing, retrieving and sharing documents in a networkwide document database with three hierarchical levels: Drawer,

Folder, Document.

Session: **OA08**  
 Title: **Intro to DEC's Presentation Graphics Applications**  
 Speaker: P. Loreggia, DEC  
 Date: Thu 11 April 1991, 0900, 60 min  
 Room: C1  
 Language: English

DECpresent is a workstation based presentation graphics software application. With DECpresent, business and technical professionals can simultaneously organise ideas, facts, figures and graphics and produce effective presentations. Its primary features, an outliner, style templates, sorter view, artwork gallery, and multiple output will be presented during this session.

Session: **OA09**  
 Title: **Electronic Business Documents**  
 Speaker: C. Picozzi, DEC  
 Date: Thu 11 April 1991, 1000, 60 min  
 Room: C1  
 Language: English

As no material is available at the moment about Electronic Business Documents (EBD), this session will cover the ALL-IN-1 Electronic Authorization and Routing System (ALL-IN-1 EARS), which is an ALL-IN-1 layered application that provides serial and parallel routing of electronic review items within ALL-IN-1. An item can be any data that can be represented by a VAX/VMS file, such as documents, forms, graphics, or even PC files. ALL-IN-1 EARS is intended for use by organizations that need to route items for approval quickly and efficiently.

Session: **OA10**  
 Title: **SGML - The Document Interchange Standard**  
 Speaker: G. Tritt, Tritt Consulting  
 Date: Thu 11 April 1991, 1100, 60 min  
 Room: C1  
 Language: English

The "standard generalized markup language" is a format which describes the content and logical structure of documents - but not their presentation layout. Producing SGML from a text processor allows transmission to different text systems and presentation in alternative formats (for instance on a screen as an online manual instead of a printer). It also allows storage and retrieval of text parts in a database using a document profile, automatic indexing and referencing, and hypertext links. This presentation explains what SGML can do and what it does not do, and places SGML in the world of developing standards for EDI.

Session: **OA11**  
 Title: **Creative Laziness: Putting DECwrite Styles to Work**  
 Speaker: N. Lorengo, DEC  
 Date: Thu 11 April 1991, 1400, 60 min  
 Room: C1  
 Language: English

This session addresses those users that want to find out how style files can help them to speed up their work with DECwrite. Style file designers that need to implement organization-wide style files will learn how documents are analyzed and how style files are created. Tips and tricks using DECwrite will also be discussed.

Session: **OA12**  
 Title: **OA Wrapup**  
 Speaker: A. Griffiths, The Griffiths Group  
 Date: Thu 11 April 1991, 1500, 30 min  
 Room: C1  
 Language: English

Session: **RT01**  
 Title: **Realtime Update**  
 Speaker: W. Leuenberger, DEC  
 Date: Tue 9 April 1991, 1330, 30 min  
 Room: D  
 Language: English

DEC's Weg im Realtime-Bereich; Produkte und Strategien

Session: **RT02**  
 Title: **VAXELN V 4.2**  
 Speaker: M. Seitz, DEC  
 Date: Tue 9 April 1991, 1400, 30 min  
 Room: D  
 Language: English

This speech discusses the new features of the recent VAXELN Toolkit release and the recently announced realtime hardware.

Session: **RT03**  
 Title: **Neue Datenerfassung**  
 Speaker: B. Pedrazzini, MOOR AG  
 Date: Tue 9 April 1991, 1430, 60 min  
 Room: D  
 Language: German

Durch die Einführung von Window-Systemen ergeben sich neue Möglichkeiten bei der Benutzerschnittstelle. Anhand von Beispielen wird gezeigt, wie sich diese auf die industrielle Datenerfassung auswirken. Dazu wird ein neues Konzept der industriellen Datenerfassung vorgestellt. Weiter werden Vorteile und Nachteile gegenüber herkömmlichen Systemen (z.B. VAXlab) diskutiert.

Session: **RT04**  
 Title: **POSIX 1003.4 Standard Realtime Extensions**  
 Speaker: M. Seitz, DEC  
 Date: Tue 9 April 1991, 1530, 30 min  
 Room: D  
 Language: English

In the Network Application Support (NAS) Strategy the POSIX set of stan-



dards provide a common operating system interface. This speech gives an introduction into the POSIX 1003.4 Realtime Extensions which permits it to build portable realtime software across the VAXELN ULTRIX and VAX/VMS operating systems.

Session: **RT05**  
Title: **RT/RSX Business Meeting**  
Speaker: H. Gerber, ETHZ  
Date: Tue 9 April 1991, 1600, 30 min  
Room: D  
Language: English

RT/RSX - Business - Meeting

Session: **RT06**  
Title: **VME/VAX**  
Speaker: Ch. Mischler, DEC  
Date: Tue 9 April 1991, 1630, 30 min  
Room: D  
Language: English

This speech discusses the hardware and software features of the recently announced KAV30 single board computer based on the rtVAX300 processor. This module runs VAXELN realtime systems in a VMEbus environment. This allows users to integrate industry standard VMEbus devices into a Digital network.

Session: **RT07**  
Title: **FactoryLink**  
Speaker: J. Schweizer, PCE, Cham  
Date: Tue 9 April 1991, 1700, 60 min  
Room: D  
Language: German

Ein offener FactoryLink Software Bus erlaubt die Implementierung von Fabrikationssteuerungen unter Verwendung verschiedenster Systemplattformen wie VMS, ULTRIX, MS-DOS, OS/2 usw. Dabei gilt, dass die Anwenderprogramme welche auf einer Plattform entwickelt wurden auf jeder (anderen) Plattform ausgeführt werden

können.

Session: **RT08**  
Title: **Realtime Workshop**  
Speaker: B. Pedrazzini, MOOR AG  
Date: Tue 9 April 1991, 1800, 30 min  
Room: D  
Language: German

Der Workshop soll allen Realtime Programmierer die Möglichkeit geben untereinander Erfahrungen auszutauschen. Als Ausgangspunkt der Diskussion werden folgende Themen vorgestellt:

- Realtime Gestern, Heute und Morgen
- Wahl des Realtime Betriebssystems
- Was bringen uns Realtime Design-tools?
- Realtime Fragen und Antworten

Session: **RT09**  
Title: **RTVAX300 & Industrial I/O**  
Speaker: F. Krull, Urech & Harr AG MuttENZ  
Date: Wed 10 April 1991, 0830, 30 min  
Room: D  
Language: English

The RTVAX 300, combined to a powerful 68302-based front end processor, offers powerful and flexible integration of VAX systems with Siemens Simatic process i/o. A compatible QBUS-BASED frontend board allows the same applications to be run on microvaxes as well.

Session: **RT10**  
Title: **SICL&VXL Process Control language application**  
Speaker: U. Zemp, Moor Data AG Bern  
Date: Wed 10 April 1991, 0900, 60 min  
Room: D  
Language: English



SICL is a high level process control language. It's a PASCAL like language that supports coding in parallel action threads. Special operators and predefined routines give the programmer the power to express his algorithmic needs. SICL programs are developed and executed on a VAX/VMS cell controller.

Session: **RT11**  
 Title: **Factory Automation**  
 Speaker: A. Müller, DEC  
 Date: Wed 10 April 1991, 1000, 30 min  
 Room: D  
 Language: German

DEC in der Fertigungsautomatisierung.

Session: **RT12**  
 Title: **RSX-Status**  
 Speaker: E. Schaller, DEC München  
 Date: Wed 10 April 1991, 1030, 30 min  
 Room: D  
 Language: German

Features und Benefits der letzten Version von RSX-11M und M-PLUS.

Session: **RT13**  
 Title: **RSX Toolkit**  
 Speaker: P. Ranisch, DEC München  
 Date: Wed 10 April 1991, 1100, 60 min  
 Room: D  
 Language: English

Dieser Vortrag gibt einen kurzen Ueberblick über die im RSX-Toolkit vorhandenen Utilities. Dies beinhaltet Virtuelle Disk/Tape, erweiterten CDA, Autoreboot und crashdump file, search, device configuration Unterstützung, Idle terminal killer usw. Jedes auf dem Kit enthalten Utility wird kurz erläutert und kann anschliessend im Clubroom auch ausprobiert werden.

Session: **RT14**  
 Title: **Modula-2 and a Musical Instrument Digital Interface on LSI-11**  
 Speaker: R. Juillerat, Marly  
 Date: Wed 10 April 1991, 1330, 60 min  
 Room: D  
 Language: French

A set of Modula-2 modules drive a MIDI Interface. A devoted I/O card has been built for this purpose. The true nature of driving a synthesizer is a challenge in a system with a small available working memory and heavy access to mass storage. The modules include all low level parts and give to the user a set of high-level calls and variables that are fully hardware independent.

Session: **RT15**  
 Title: **RUNOFF solution for accented national 8 bits characters**  
 Speaker: R. Juillerat, Marly  
 Date: Wed 10 April 1991, 1430, 30 min  
 Room: D  
 Language: French

This presentation exposes a solution, how to drive a 8 bits printer with RT-11 7 bits text files. Some changes in the LQ.SYS printer driver were necessary. Runoff escape sequences make the source editing very easy for the user.

Session: **RT16**  
 Title: **Warum RSX-11M-Plus**  
 Speaker: E. Schaller, DEC München  
 Date: Wed 10 April 1991, 1500, 60 min  
 Room: D  
 Language: German

Dieser Vortrag fasst die erweiterten Features von M+ zusammen.

- Was gibt es nur unter M+/microRSX
- Wofür seetzt man es ein

- Worin liegt der Vorteil
- Wie wird es bedient.

Session: **RT17**  
 Title: **Address space limits**  
 Speaker: P. Ranisch, DEC München  
 Date: Wed 10 April 1991, 1600, 60 min  
 Room: D  
 Language: English

Dieser Vortrag soll Möglichkeiten aufzeigen, wie man die 32KW-Grenze umgehen kann. Neben residenten Libraries, Clustern von Libraries, Supervisor mode Library wird auch einiges über die Grundlagen der Overlaytechniken vorgestellt. Allerdings wird nicht das Memory Management erklärt!

Session: **VAX01**  
 Title: **VAX/LS/NET Roadmap**  
 Speaker: W. Oehen, Soprocon  
 Date: Tue 9 April 1991, 1330, 30 min  
 Room: A  
 Language: English

Session: **VAX02**  
 Title: **VMS Update**  
 Speaker: P. Schilling, DEC  
 Date: Tue 9 April 1991, 1400, 60 min  
 Room: A  
 Language: English

Session: **VAX03**  
 Title: **New VAX 4000 Series**  
 Speaker: F. Dallmann, DEC  
 Date: Tue 9 April 1991, 1500, 30 min  
 Room: A  
 Language: English

Session: **VAX04**  
 Title: **Auto-Tuning VMS**  
 Speaker: P. Schilling, DEC  
 Date: Tue 9 April 1991, 1530, 30 min  
 Room: A  
 Language: English

Session: **VAX05**  
 Title: **VAX Systems Update and Overview**  
 Speaker: F. Dallmann, DEC  
 Date: Tue 9 April 1991, 1600, 60 min  
 Room: A  
 Language: English

Session: **VAX06**  
 Title: **VAX/LS/NET Questions & Answers**  
 Speaker: W. Oehen, Soprocon  
 Date: Tue 9 April 1991, 1700, 90 min  
 Room: A  
 Language: English

Session: **VAX07**  
 Title: **VMS Multi Adapter LAVC**  
 Speaker: P. Feer, DEC  
 Date: Wed 10 April 1991, 0900, 30 min  
 Room: B1  
 Language: English

This is a technical talk covering the Multi-Adapter Local Area VAXcluster support. It covers the features and configuration guidelines for multi-adapter LAVC operations.

Session: **VAX08**  
 Title: **Introduction to ACLs**  
 Speaker: W. Sauer, PARSEC, Colorado, USA  
 Date: Wed 10 April 1991, 0930, 60 min  
 Room: B1  
 Language: English

Session: **VAX09**  
 Title: **Creating and Managing Batch Queues**  
 Speaker: W. Sauer, PARSEC, Colorado, USA  
 Date: Wed 10 April 1991, 1030, 60 min  
 Room: B1  
 Language: English

Session: **VAX10**  
Title: **VAX/LS/NET Business Meeting (Apero)**  
Speaker: W. Oehen, Soprocon  
Date: Wed 10 April 1991, 1130, 60 min  
Room: B1  
Language: English

Session: **VAX14**  
Title: **Lexical Functions**  
Speaker: R. Gezelter, Software Consultant, New York, USA  
Date: Wed 10 April 1991, 1600, 30 min  
Room: B1  
Language: English

Session: **VAX11**  
Title: **The Consultant and CD-ROM**  
Speaker: T.J. Tanzer, Information Informativ/ee Lausanne  
Date: Wed 10 April 1991, 1330, 30 min  
Room: B1  
Language: English

Session: **VAX15**  
Title: **New Directions in Initial System Loading on Mid Range Systems**  
Speaker: P. Feer, DEC  
Date: Thu 11 April 1991, 0900, 45 min  
Room: B1  
Language: English

When producing CD-ROM's in-house it is not only a matter making the disc. The information must be audited and evaluated, software chosen, tests conducted. The publisher of the information rarely know anyone else than the disc manufacturer, by turning to him for advice he may impair his freedom of choice.

This session introduces a new direction in the Initial System Loading of software onto a mid-range VAX system (VAX 6000 family). It is directed to individuals who will be installing software onto their systems.

Session: **VAX12**  
Title: **System Management Overview**  
Speaker: G. Cooke, Demax Software, Ottawa, Canada  
Date: Wed 10 April 1991, 1400, 60 min  
Room: B1  
Language: English

Session: **VAX16**  
Title: **VMS Process Internals**  
Speaker: W. Sauer, PARSEC, Colorado, USA  
Date: Thu 11 April 1991, 1000, 60 min  
Room: B1  
Language: English

Session: **VAX13**  
Title: **System Tuning Overview**  
Speaker: G. Cooke, Demax Software, Ottawa, Canada  
Date: Wed 10 April 1991, 1500, 60 min  
Room: B1  
Language: English

Session: **VAX17**  
Title: **VMS Synchronization**  
Speaker: W. Sauer, PARSEC, Colorado, USA  
Date: Thu 11 April 1991, 1100, 60 min  
Room: B1  
Language: English

Session: **VAX18**  
Title: **Disk Defragmentation**  
Speaker: P. Feer, DEC  
Date: Thu 11 April 1991, 1330, 30 min  
Room: B1  
Language: English

You've heard the controversies surrounding disk fragmentation and the



impact on performance. In this session, we'll explore the problem on fragmentation and some myths, risks, and benefits surrounding layered disk defragmentation products.

Session: **WS03**  
Title: **VMS - ULTRIX Integration**  
Speaker: P. Imholz, DEC  
Date: Wed 10 April 1991, 0830, 60 min  
Room: C2  
Language: English

Session: **VAX19**  
Title: **AST Internals**  
Speaker: W. Sauer, PARSEC, Colorado, USA  
Date: Thu 11 April 1991, 1400, 60 min  
Room: B1  
Language: English

This talk explains how to integrate ULTRIX workstations into an existing VMS-environment or vice versa. What is included in the standard kits and what layered products are available. Lat, TCP/IP, DECnet, OSI, printers, X-terminals ...

Session: **VAX20**  
Title: **Device Driver**  
Speaker: W. Sauer, PARSEC, Colorado, USA  
Date: Thu 11 April 1991, 1500, 60 min  
Room: B1  
Language: English

Session: **WS04**  
Title: **New PC/DECstations**  
Speaker: H. Groner, DEC  
Date: Wed 10 April 1991, 0930, 60 min  
Room: C2  
Language: English

Session: **WS01**  
Title: **Migration to workstations**  
Speaker: R. Gezelter, Software Consultant, New York, USA  
Date: Tue 9 April 1991, 1630, 60 min  
Room: C2  
Language: English

Session: **WS05**  
Title: **WS Business Meeting**  
Speaker: H. Niedermann, Institut KALI AG  
Date: Wed 10 April 1991, 1030, 30 min  
Room: C2  
Language: English

Session: **WS02**  
Title: **VGA graphics to DECwrite**  
Speaker: R. Nedela, PeriTEC Kreuzlingen  
Date: Tue 9 April 1991, 1730, 60 min  
Room: C2  
Language: English

Session: **WS06**  
Title: **SCO UNIX**  
Speaker: A. Sutter, DEC  
Date: Wed 10 April 1991, 1100, 60 min  
Room: C2  
Language: English

Integration of MS/DOS application on DEC workstations for VMS or ULTRIX with LOGICRAFT 386 Server or OMNIWARE board enables you to use the screen copy function to take a MS/DOS graphic picture and imported to DECwrite. Typical applications: Charts coming from Datafeeds in banking applications, can be used for inhouse brochures or customer documentation.

Unix seems to invade the PC market with SCO Unix. Digital is participating with a new PC based Hardware platform and SCO Unix to give PC's a new perspective. This talk tries to show the possibilities and restrictions of Unix on industry standard PC's.

Session: **WS07**  
Title: **PCSA Update**  
Speaker: W. Freund, DEC  
Date: Wed 10 April 1991, 1300, 60 min  
Room: C2  
Language: English

Overview of Digitals Personal Computing System Architecture including PATHWORKS for VMS, PATHWORKS for DOS and PATHWORKS for OS/2. Special emphasis will be placed on the PATHWORKS for DOS Version V4.0

Session: **WS08**  
Title: **Managing UNIX Workstations**  
Speaker: P. Imholz, DEC  
Date: Wed 10 April 1991, 1400, 60 min  
Room: C2  
Language: English

Tips and hints how to plan, implement and manage a large number of ULTRIX workstations in a distributed environment. Yellow Pages, Bind, Hesiod, NFS, remote backup, remote printing, remote installation, diskless environment ..

Session: **WS09**  
Title: **UNIPLEX**  
Speaker: P. Trachsel, DEC  
Date: Wed 10 April 1991, 1500, 60 min  
Room: C2  
Language: English

Positioning and overview of the UNIPLEX office automation product. How to integrate it into the NAS environment? What are the benefits of DEC's RISC hardware?

Session: **WS10**  
Title: **PCSA-ULTRIX**  
Speaker: A. Sutter, DEC  
Date: Wed 10 April 1991, 1600, 30 min  
Room: C2  
Language: English

This speech looks into the latest child

of PCSA: PCSA for Ultrix and the TCP/IP PC client. How to install, configure and use it.

Session: **WS11**  
Title: **MAC Integration**  
Speaker: K. Schmitt, DEC  
Date: Wed 10 April 1991, 1630, 30 min  
Room: C2  
Language: English

The focus of this session is the actual PATHWORKS for Macintosh product. Some topics:

- Resource Sharing - Using PATHWORKS for Macintosh to share files, applications, printers, etc. The focus here will not only be upon local sharing but also on sharing resources over a wide-area network.
- Applications Access - Using MacTerminal and/or MacX.
- Database Access over the network - Accessing a VAX database over the network using DAL from a Macintosh application.

Session: **WS12**  
Title: **ULTRIX Security**  
Speaker: P. Imholz, DEC  
Date: Wed 10 April 1991, 1700, 45 min  
Room: C2  
Language: English

ULTRIX security, is this a joke? Why so many break-ins in the UNIX world? What tools and security levels are available on ULTRIX? Is the security on VMS better than the security on ULTRIX?

# DEC meets DECUS session

Theme	Your Question
<b>Digital Equipment Corporation in general</b>	
<b>Marketing of Hardware Software Services Add-ons/Upgrades</b>	
<b>Sales: general administration Where is your site?</b>	
<b>Software: Support Services Products Consultation Needs?</b>	
<b>Maintenance: Hardware Software Installation Networks Needs?</b>	
<b>Training: Initial Continuing Documentation Needs?</b>	
<b>Other Questions?</b>	

Name (optional): \_\_\_\_\_ Company: \_\_\_\_\_

You may hand in this questionnaire at the symposium  
by one hour before the DmD session

If you are not attending the symposium, you may mail it to  
the DECUS Office, DECpark, Postfach, 8600 Dübendorf



# WIN A FREE DECUS SEMINAR

Fill out and return this survey and if your name is drawn at random YOU WIN!

DECUS (Switzerland) Seminar Survey	Name _____	Tel. _____
	Company _____	
	Address _____	

This survey is designed to help us plan our future Training Seminar programme. We want to know what topics are of greatest use to the DECUS membership, who is interested in attending, and what factors are important in the decision to attend.

DECUS Training Seminars benefit the companies that employ us, therefore we would like an idea of the factors that influence attendance, like timing, location, quality and price. We are now considering half-day and one-day seminars that may be held during the year or at the Swiss Symposium in Brunnen (Seminar day: 19 March).

What are your functions:	in what application area?
<input type="checkbox"/> software developer	<input type="checkbox"/> computing services
<input type="checkbox"/> software support	<input type="checkbox"/> science / research
<input type="checkbox"/> system manager	<input type="checkbox"/> industry
<input type="checkbox"/> systems programmer	<input type="checkbox"/> education / training
<input type="checkbox"/> network manager	<input type="checkbox"/> sales / marketing
<input type="checkbox"/> application prog./anal.	<input type="checkbox"/> other _____
<input type="checkbox"/> other _____	<input type="checkbox"/> other _____

The following are seminar topics currently under consideration. Please indicate which you would likely attend. Based on your response, we will plan further!

- |  |  |
|--|--|
| <input type="checkbox"/> VMS internals                     | <input type="checkbox"/> All-in-1 System Performance             |
| <input type="checkbox"/> VAX/VMS DCL                       | <input type="checkbox"/> Office Automation Strategy              |
| <input type="checkbox"/> VMS security                      | <input type="checkbox"/> Introduction to Artificial Intelligence |
| <input type="checkbox"/> VMS Device Drivers                | <input type="checkbox"/> AI additions to Applications            |
| <input type="checkbox"/> VMS system management             | <input type="checkbox"/> Object-oriented Programming             |
| <input type="checkbox"/> VMS memory management             | <input type="checkbox"/> Database Analysis and Design            |
| <input type="checkbox"/> DECnet management                 | <input type="checkbox"/> RDB Internals                           |
| <input type="checkbox"/> DECnet internals                  | <input type="checkbox"/> DECforms                                |
| <input type="checkbox"/> DECnet-RSX                        | <input type="checkbox"/> DECwindows                              |
| <input type="checkbox"/> VMS Version 5 for system managers | <input type="checkbox"/> Introduction to UNIX                    |
| <input type="checkbox"/> CASE tools                        | <input type="checkbox"/> UNIX Shell and Quick Prototyping        |
| <input type="checkbox"/> _____                             |  |

Have you attended a DECUS Seminar before? <input type="checkbox"/> a Symposium? <input type="checkbox"/> a SIG meeting? <input type="checkbox"/>			
How far in advance do you plan seminar attendance? 1 2 3 6 9 12 months			
Who primarily grants permission for a person to attend a Seminar?			
<input type="checkbox"/> the attendee	<input type="checkbox"/> the attendee's Manager	<input type="checkbox"/> Department Head	
<input type="checkbox"/> Training Coordinator	<input type="checkbox"/> other _____		
Please rate the top 5 factors in your decision to attend a seminar:			
<input type="checkbox"/> local site	<input type="checkbox"/> length (1/2, 1 or more days)		
<input type="checkbox"/> type of site (resort?)	<input type="checkbox"/> cost (fee + expenses)		
<input type="checkbox"/> topic	<input type="checkbox"/> with meeting or symposium		
<input type="checkbox"/> seminar instructor	<input type="checkbox"/> other _____		