



**INTERNATIONAL
FEDERATION
FOR
SYSTEMS
RESEARCH**

NEWSLETTER

March 1995 No. 36

Editor-in-Chief: Gerhard Chroust

c/o Systemtechnik und Automation, Johannes Kepler University Linz, 4040 Linz Austria,
E-mail: CHROUST@SEA.UNI-LINZ.AC.AT, Tel:+43-732-2468-865, fax:+43-732-2468-878

Dear Readers,

In several ways this Newsletter is a premier!

First of all it is the first Newsletter for which I could not rely on the extensive support of Dr. Sokoloff. You will remember that due to financial reasons we had to abandon Dr. Sokoloff's careful editorship. This will probably mean, that the English will slightly deteriorate - but perhaps it may also unintentionally give you the chance of a laugh.

Secondly - and I hope that our American readers will have noticed this, we have now two locations for printing. For North and South America Bela Banathy, has taken over the printing of the Newsletter, using the same master as I do here in Linz to print for the rest of the world. This should also enable our American readers to receive the Newsletter with less delay. It also saves a considerable amount of money!

Thirdly - and it is rather me myself who feels this difference, I have a new secretary, Ms. Dagmar Reinmann, which takes care of most of the typing and arranging which has gone into the Newsletter.

Fourth : you can read this newsletter via WWW! See the column 'News from the IFSR' for more details.

Lastly it also means that I am obliged to acquire articles for the Newsletter more actively.-

Remember, I am always looking for interesting contributions to fill the 'New Trends' column and to provide information on past or future events.

Gerhard Chroust

Systemtechnik und Automation

Johannes Kepler University Linz, 4040 Linz, Austria

IFSR wants Your contribution!

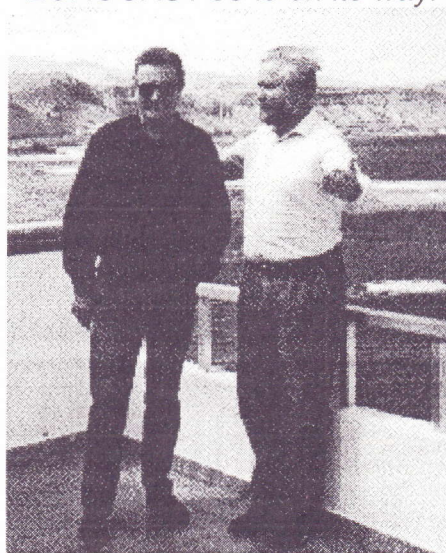
We are interested even more in making the Newsletter a forum for information interchange. We therefore ask you to send us short reports about relevant conferences/meetings, announcements of conferences or reviews of interesting books. You can reach us by mail, fax or e-mail. E-mail submissions are preferred! We promise a rather short turn-around time (usually between 2 and 8 weeks).

EUROCAST'95 -

**5th Int. Workshop on Computer Aided
Systems Technology (CAST)**

May 22-25, 1995, Innsbruck, Austria

EUROCAST'95 is on its way!



Prof. F. Pichler and Dr. 'Jimmy' DePauli-Schimanovich

On Feb. 26th, a selected group of people from the Programme Committee, including Prof. F. Pichler, Kepler Univ. Linz, and Dr. Werner (Jimmy) DePauli-Schimanovich, Univ. Vienna, met in Las Palmas, Canary Islands, to create an exciting program for the oncoming EUROCAST-conference, co-sponsored by IFSR. Highlights will be the invited papers:

- Prof. Anil Nerode, Cornell Univ. Ithaca, New York, (remember the famous Nerode-equivalence of automata theory!) speaking on 'Hybrid systems'.
- Prof. Georg Gotlob, Techn. Univ. Vienna, speaking on 'Reactive Logic',
- Prof. Sergio Rinaldi, Politecnico di Milano, speaking on 'Chaos and Complexity'.

A total of 90 papers from 14 countries will be presented, including two sessions on the European project on software process improvement (ESPITI).

NEW TRENDS

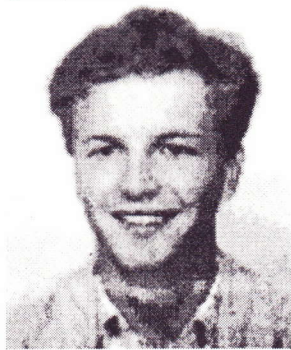
CSCW Concepts for Software Development Environments

Paul Grünbacher

*Institute of Systems Sciences
Johannes Kepler University Linz
Altenbergerstr. 69, 4040 Linz, Austria*

Empirical studies prove that typical software engineers are spending between 30% and 60% of their working time communicating with the members of the development team. The development of software is therefore a highly social activity involving frequent interactions between the members of the development team. Adequate group support is thus a real need for efficient engineering.

The notions of CSCW (= Computer Supported Cooperative Work) and groupware have rapidly become catchwords in recent years [2]. The term groupware stands for software products augmenting group work with support for human collaboration techniques such as making commitments, performing negotiations, signing contracts and making team decisions. CSCW is the scientific discipline covering the design and validation of groupware.



Paul Grünbacher

While traditional software systems support the interaction between a single user and the system, groupware aims at providing support for work groups and teams. We can describe a groupware system as a *synchronizer* of activities performed by multiple agents, as an *administrator* of artifacts and group rationale and

as a *communicator* of communication acts between the different agents in the system.

Present software development environments (SDE) [1] do not contribute to support the cooperative nature of software development. The integration of valuable CSCW concepts should thus be considered in order to make a SDE a platform for human cooperation and interaction. Two areas seem to be especially in need of groupware support:

Group Rationale Capturing: Often it is very useful to be able to later recall the actual reasoning which has gone into a specific group decision. Rhetorical models for the tracking and storing of discussions and decisions with graphical notations like e.g. DRL (=Decision Representation Language [3]) provide a valuable means for capturing and archiving group processes. An SDE's configuration management component could be enhanced to serve as an administrator of group rationale.

Communication Support: Necessary communication, e.g. between developers and quality assurance persons could be modeled. Such conversational models, e.g. like speech act theory [4], provide a theoretical framework which could serve as the foundation for modeling conversations of this kind and allowing an enactment of these models for the purpose of project control.

References:

- [1] Reference model for frameworks of software engineering environments.- Technical report, European Computer Manufacturers Association, 1993.
- [2] C.A. Ellis, S.J. Gibbs, and G.L. Rein. Groupware - some issues and experiences.-Communications of the ACM, 34(1), 1991.
- [3] J. Lee, K. Y. Lai. A comparative analysis of design rationale representations.-Technical report, MIT, Center for Coordination Science, CCS 121, 1991.
- [4] T. Winograd. A language/action perspective on the design of cooperative work.- In: Proc. of the CSCW'86 conference, Austin, 1986.

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Project Reports

Computer as Learning Partner

CLP is an on-going educational research effort at the University of California at Berkeley dedicated to informing and improving middle school science instruction. Supported by the National Science Foundation and affiliated with the Instructional Technology Program on campus, the project involves a decade-long collaborative partnership of educational and cognitive researchers, natural scientists, middle school teachers and technology experts. CLP research has created and refined a semester-long thermodynamics, light and sound curriculum for achieving integrated science understanding that involved the innovative use of computers in the classroom. Our web site describes these efforts and provides a resource for science teachers, policy makers and educational researchers.

*The CLP Research Corporation
School of Education
University of California at Berkeley*

Dictionary of Systemics and Cybernetics

I am working on a Dictionary of Systemics and Cybernetics in English (after having published a similar work in Spanish in 1992). The format of the English dictionary will be about five times the one of the Spanish version. It is a *completely new version* (not a translation of the Spanish one). It is now nearing its conclusion, if such a task can ever be considered as complete.

To date, the dictionary has 2131 entries. After comparison with several other compilations I believe that I still have to add about 150 entries.

The final steps are:

- A considerable bibliography of about (to date) 1500 entries is practically finished;
- An explicative introduction and "users manual" is in an advanced stage of editing.
- A general reclustering around the most important concepts is still needed, as for example: Attractor, Automata, Autonomy, Autopoiesis, Behavior, Chaos, Communication, Complexity, etc.

- A general overview, pruning coordination (the work will be completely cross-referenced) and conceptual correction.

- As English is not my mother language, a general language correction is necessary.

I hope to have the whole bibliography ready for presentation to a publisher interested in Systemics by May or June.

Charles Francois
Defensa 113 Bvo
1065 Buenos Aires, Argentine

Conference Reports

STIQUE '94: Important Linking Points of Sciences and Practices separated for too long

In Maribor, Slovenia, the ISRUM Institute of Systems Research has sponsored the second biannual international conference on linking Systems Theory, Innovation, Quality and Entrepreneurship. For too long the four disciplines have been dealt with separately.

Mother Earth and Mankind are hardly able to survive without a synergy of all of the different specialized aspects and sciences which are very interdependent. *Systems thinking* is the methodological tool for a synergetic cooperation of mutually different specialists. With it, it is easier to produce innovation (= useful novelty), Quality (= pleasing the customer) is the goal and driving force for both of them. Entrepreneurship is the human characteristic and action based on all three. It is actually surprising how poorly the linking of all four used to be for decades.

23 papers and one workshop were accepted by authors from Austria, Bulgaria, Canada, Germany, Great Britain, Greece, Italy, Mexico, South Africa, Switzerland.

Proceedings: Miroslav Rebernik and Matjaz Mulej (eds): STIQUE '94, Proc. of the 2nd International Conference on Linking Systems Thinking, Innovation, Quality and Entrepreneurship. ISBN 86-80085-54-5.

Order via: M. Rebernik,

email: rebernik@uni-mb.si, fax: 386-62-26681

New Societies

Here we report of other societies in the systems area, hoping to create interest and perhaps later acquire new members.

Slovene Society of Systems Research

Systems Research has been worked on and applied in Slovenia (and elsewhere in Yugoslavia) for over four decades, e.g. its pioneer Prof. Dr. Ludvik Gyergyek is a member of the Slovene Academy of Science and Arts, a Prof. emeritus etc. in the field of electrical engineering and computer science. In November 1994, the Slovene Society of Systems Research was established with nearly thirty members. Its first president is Prof. Dr. Matjaz Mulej. The basic idea is to try and help the systems thinking to become a broadly accepted practice, rather than to deal with systems research theory only. This makes the society able to go beyond an academic society in terms of its program and membership. Persons accepting systems thinking, its implication on holism and depth by creative interdisciplinary cooperation, and practicing so are eligible to become members. In one month membership increased to more than sixty. The society will apply for membership in the IFSR.

Conference Announcements

For contacts, etc. see Calendar of Events.

Systems Thinking, Government Policy and Decision Making 1995 Annual Meeting of the International Society for the Systems Sciences

Free University, Amsterdam, The Netherlands,
24 - 29, July 1995

Most governments are facing some very tough decisions at present. The problems vary and flow from multiple sub-systems: the environment, foreign relations, employment, economies, education, crime and drug abuse. The common approach is for agencies - often isolated from each other - to deal with these systems on a one-by-one basis. The result is, as may be expected, that policies and decisions made by one agency often conflict with those made by another. For example, foreign policy that aims at protecting human rights may have detrimental effects on industry - and thus the livelihood - of

the very people that it is trying to help. Attempts at preserving the environment often result in increasing unemployment. Government assistance to the unemployed - such as retraining and welfare - increases expenditure and, consequently, government deficits. In other words, the medicine prescribed to one type of systems has a stubborn tendency to threaten the health of another. These conflicts are common in highly interconnected and complex systems such as the one we have built around our increasingly interdependent world community. How can politicians and government officials make wise and coherent decisions in such chaotic systems? Can systems thinking help them?

Participants in the 1995 ISS Annual Meeting are invited to contribute papers and organize workshops, panels and posters, especially emphasizing the integrative aspect of general systems thinking and its application to government policy and decision making. We especially welcome contributions that integrate human systems and natural systems. We also encourage joint sessions by the two or more Special Integration Groups aimed at harmonizing diverse systems perspectives into government decision making and policy.

The conference will be hosted by the Faculty of Philosophy of the Free University, a major Dutch university. The university is housed in a modern and compact campus.

The 12th Int. Conference on Case Method Research and Case Method Application:

"Environmental Problem Solving - from Cases and Experiments to Concepts, Knowledge, Tools and Motivation"

Nov. 12 - 15, 1995, MARIBOR, Slovenia

Papers and proposals for discussion sessions, workshops and panels are invited on topics such as

- Trans- and interdisciplinary aspects of case method application to environmental problem solving in agricultural, manufacturing, tourism, transportation, cities, etc., concerning air, soil, water pollution, waste treatment, loss of biodiversity, climate change etc.,
- Legal aspects of environmental problem solving,

- Economic aspects of environmental problem solving,
- Cases, experiments and concepts relating to
 - environmental information systems,
 - environmental knowledge organization,
 - pollution and protection of water, soil and air,
 - knowledge and motivation for environmental problem solving,
 - environmental networking worldwide,
 - ethics, attitudes and conflicts in the field of environmental problem solving,
 - education, continuing education and consulting linked with environmental problem solving,

The common denominator of all contributions is *sustainable* as the global goal. Sustainable development is the necessary way of thinking and acting anytime and anywhere.

Conference fee: USD 290, (USD 250 for authors and for registration before July 15, 1995). A few scholarships are available by the application to ASSISTANCE (Assoc. for International Scientific and Technical Communication and Cooperation), Postfach 76, A-1014 Wien, Austria.

A Discussion

Dr. Sokoloff's article on Raoul Francé (IFSR Newsletter No. 32, p. 2-3) has caused some reaction. I am happy to print this reaction together with a reply by Dr. Sokoloff..

A Reply to: "Raoul Francé's Heritage a Nightmare for Specialists" by S. Sokoloff

In [1] Sokoloff concluded with "Today, as in Francé's time, narrow specialization is the surest way to academic success". In contrast, information systems specialists have recognized that academic and commercial success requires traditional academic boundaries to be breached.

Beyond the Boundaries

Boulding [2] describes what he calls the 'crisis of science today' resulting from the lack of communication between intellectual disciplines. Increased specialization and lack of communication between specialists is perhaps even more apparent in the 1990s than Boulding first acknowledged nearly forty years earlier. Specialization which we considered necessary to

encourage the advancement of knowledge has had the reverse effect of restraining the growth of 'total knowledge'. The need for interdisciplinary research has been recognized in many disciplines

Ackoff [3] points out that the world is not naturally divided into disciplines. We have found it necessary to reduce the world into defined academic disciplines in order to develop expertise and aid comprehension. However, it has now become apparent that the artificial boundaries imposed on the world can be restrictive and sometime hinder further advancement.

Unbounded Information Systems

Boulding uses the terms "interdisciplinary movement" and suggests that the first sign of this movement is the development of hybrid disciplines. The "Hybrid Manager" has become a recognized attempt to consolidate organizational and technical disciplines. Information systems cross traditional boundaries at two levels. Firstly, information systems developers have recognized the importance of softer, organizational, social, political and cultural influences in the development of computer systems. Secondly, information systems cross organizational departmental boundaries into manufacturing, sales, finance and production areas. In order to develop effective systems in these areas an appreciation of the concepts in these fields of expertise are primarily needed.

Approach for Interdisciplinary Research

A key problem of interdisciplinary study is the interpretation of terminology specific to the native discipline. The key terms in many disciplines are often the subject of extensive debate between specialists in the area. This increases the barriers which exclude other professionals from gaining an appreciation of the discipline. It is, however, suggested that an elementary introduction to principles in one discipline can stimulate invention in another. Ackerman [4] proposes that a complete understanding of terms as understood by experts in the native domain is not essential; "it is enough for it to inspire". Researchers should, therefore, follow Francé's example of seeking inspiration by maintaining a flexible awareness and interest in the potential contributions of "diverse" disciplines. This can be achieved by:

1. Browsing through 'foreign' journals

2. Establishing a forum in which to exchange specialist knowledge

3. Maintaining an acute awareness of the rich reality which surrounds us

Further advancement of knowledge can only be found by breaching the boundaries which may constrain its application to specific domains.

References

[1] Sokoloff, Stephen, (1994), 'Raoul Francé's Heritage a Nightmare for Specialists',

IFSR Newsletter, No. 32, (March), pp. 2 - 3

[2] Boulding, Kenneth, E., (1956), 'General Systems Theory - The Skeleton of Science',

Management Science, 2(3), April, pp. 197-208

[3] Ackoff, Russel, L. & Emery, Fred, E., (1972), *On Purposeful Systems: An Interdisciplinary Analysis of Individual and Social Behaviour as a System of Purposeful Events*, Tavistock Publications, Great Britain

[4] Ackerman, James, S., (1965), 'On Scientia!', In: Halton, Gerald (ed.), (1965), *Science and Culture: A Study of Cohesive and Disjunctive Forces*, Beacon Press, United States of America, pp. 14 - 23

And now Dr. Sokoloff's reply :

Interdisciplinary - New Cages

Dr. Stephen Sokoloff

Stefan Fechter-Weg 1/49

A-4020 Linz, Austria

Certainly interdisciplinarity is a valuable approach which is enabling us to see many aspects of our world in new and strikingly different ways. It is enhancing our ability to tackle many problems that previously seemed inaccessible. Besides, redesigning the "cages" that we have pressed knowledge into shows us the artificiality and the arbitrariness of the current categories.

By merely redefining the boundaries we do not, however, broaden or eliminate them. The new interdisciplinary specializations are usually even much narrower than the classical ones. Biophysicists, for example, constitute a smaller - and much more exclusive - club than either biologists or physicists.

Specialization is undoubtedly necessary; how else can one acquire in-depth knowledge, given the complexity of our modern world? Unfortunately, however, specialists (whether classical or interdisciplinary) tend to be oblivious to everything and everybody outside their fields. Even within them they establish rigid hierarchies with the purpose of largely excluding many of the "players" from serious consideration.

The focus of genuine generalist-type activities is quite different. They are concerned with disseminating knowledge and making it more widely comprehensible. Their emphasis is therefore on inclusion rather than exclusion. Of course generalism can also prove useful in establishing new and previously unsuspected interconnections between widely separated fields, and understanding these relationships does sometimes lead to the development of new interdisciplinary endeavors. That is, however, only one of the benefits that generalism can confer.

We human beings do not come into this world as living robots designed to only accomplish a single narrowly defined task. Rather we are characterized by an innate striving for wholeness. We need warm, satisfying relationships, sensual satisfaction and understanding of the people, objects and phenomena that we encounter.

Producing specialized knowledge to fill the journals and thereby winning the admiration or even envy of our colleagues should not be the only preoccupation of academics. We have an obligation to enhance the richness of the world for our fellow beings, for example by teaching, writing and lecturing. Besides, it is irresponsible for the "best and the brightest" to withdraw into cages when people are despairing and even dying in the streets.

Specialization may be our daily bread, but man does not live on bread alone. That is an aspect of Raoul Francé's heritage which unfortunately is often forgotten.

What's new in

"SYSTEMS RESEARCH"?

Systems Research, the official journal of IFSR, is to be relaunched in 1995 as a publication of John Wiley and Sons.

Systems Research will continue to be published four times a year. Papers for publication and subscription requests should be sent to:

Professor M.C. Jackson

University of Humberside

Cottingham Road

Hull. HU6 7RT, United Kingdom

tel: +44 1482 440550 Ext. 3720

fax: +44 1482 445715

Contents of vol. 11, no. 2:

Yonghao Ma: *Reproducibilities of I/O Systems with Linear Multivalued Spaces*

H.D. Sharma, Sushil and A.D. Gupta: *A Structural Approach to Analysis of Causes of System Waste in the Indian Economy*

Steven Tötösy de Zepetnek: *Comparative Literature and Systemic / Institutional: Approaches to Literature: New Developments*

Arvid J. Bloom and Roberta M. Snow: *Ethical Decision Making Styles in the Workplace: Relations to the Keirsey Temperament Sorter*

Arne Collen, Gianfranco Minati and Emanuele Ciapessoni: *Correspondence: Logical Openness in Systems*

Shilin-Dong Kwanak-Gu Seoul 151-742 Korea

Polish Systems Society

Polskie Towarzystwo Systemowe
ul. Wybrzeże Wyspiańskiego 27
50-370 Wrocław, Poland
tel +48 -71 203589, fax +48-223664
e-mail: bazew@sun1000.ci.pwr.wroc.pl
President: Prof. M. Bazewicz

Italian Association for Research on Systems

Via Jenner 10, 20159 MILANO MI, Italy
tel/fax: +39 2 6881087
President: Gianfranco Minati

News from the IFSR

IFSR goes WWW!

In the last few months we have set up a World Wide Web server with information about the IFSR.

You can reach the home page by typing the URL (Uniform Resource Locator)

<http://www.sea.uni-linz.ac.at/ifsr/>

into the "Location" field of your WWW browser.

You can follow the links *Austria - Linz - University of Linz - Engineering and Science - Systems Science - WWW server of the IFSR* as well to get there.

Direct Mailing of the IFSR Newsletter!

Several individuals have expressed interest in directly receiving the IFSR-Newsletter. We are therefore offering a direct mail service, starting 1995. To simplify the administration send the amount of \$10 (to cover mailing costs) to our bank account 04.05.924.865 at Raika, Linz-Traun, Austria (Bank ID No.: 34 500) or mail it to us by registered mail. In return you will receive the Newsletters for one year (usually 5 issues).

From our Member societies

New Member Societies

We are happy to welcome four new member societies in the IFSR:

Systems Engineering Society of China

Prof. Wei-min Zheng
Committee for Int. Academic Exchange
School of Economics and Management
Tsinghua University
BEIJING 100084
CHINA

Korean Society for Systems Science Research

Prof. Dr. Young Pil Rhee
Seoul National University San 56-1

From the Secretary/Treasure

Dear Members!

First of all I have the pleasure of welcoming four new societies to the IFSR.

From China the Systems Engineering Society of China has joined the IFSR and from Korea we welcome the Korean Society for Systems Science Research. We are greatly indebted to our Past-President Gerard de Zeeuw for his efforts in establishing this cooperation.

In the meantime two more societies have joined the IFSR: The Polish Systems Society and the Italian Association for Research on Systems.

For added communication we have established a World Wide Web-server for IFSR at my institute.

This contains many important data on IFSR and will be continually updated. You have the possibility of reading past IFSR-Newsletters on it!

So you see, the IFSR is gaining new ground and will hopefully improve its service to you.

Yours sincerely,

Gerhard Chroust

Calendar of Events

Title	Date and Place	Further Information
Abbreviations: CfP, CfA: Call f. Papers/Abstract, FP: Final Paper due, <No. nn>: more details in issue.nn		
EUROCAST'95 - 5th Int. Workshop on Computer Aided Systems Technology (CAST) <No. 36>	May 22-25, 1995, Innsbruck, Austria FP June 30, 1995	Prof. F. Pichler, Inst. of System Sciences, Kepler Univ. Linz, A-4040 Linz, tel. +43 732 2368-895, fax: -893, email pichler@CAST.uni-linz.ac.at
Einstein meets Magritte - an interdisciplinary reflection on science, nature, human action and society .	May 29-June 3, 1995, Brussels	Diederik Aerts, TENA, Vrije Univ. Brussels, tel: +32 2 629 32 39, fax +32 2 629 22 76, email: diraerts@vib.ac.be
Critical Issues in Systems Theory and Practice - 4th Int. Conf of the United Kingdom Systems Society	July 10-14, 1995, Hull, UK	Doreen Gibbs, School of Computing and Info Systems, Univ. of Humberside, Cottingham Rd, HULL HU6 7RT, tel. 0482-440550
Systems Thinking, Government Policy and Decision Making, 1995 ISSS-Meeting	July 24-29, 1995, Amsterdam	ISSS: L.P. Peeno, 3807 Elmwood Ave., Louisville, Kentucky 40207, USA, Tel: (502) 899 3332
ICED 95, 10th Int. Conf. on Engineering Design: Design Science for and in Design Practice	Aug. 22-24, 95, Prague CfA: expired FP: Feb 15, 1995	CVUT Faculty of Mech. Eng., Technicka 4, CZ 166-07 Praha 6. tel: +422 311 1273, fax: +422 2431-0292
KnowRight'95 - Int. Congress on Intellectual Property Rights for Specialized Information, Knowledge and Technologies	Aug. 21-25, Vienna CfP: expired FP: Apr. 14, 1995	W Grafendorfer, OCG, Wollzeile 1-3, A-1010 Wien, tel: +43 1 512 0235, email: ocg@vm.univie.ac.at
EUROMICRO'95 : Design of Hardware/Software Systems	Sept 4-7, 1995, Como, Italy CfP: expired	Krzysztof Kuchcinski, Linköping Univ., Dept. of Computer and Info Sciences, S-58183 Linköping, Sweden, tel +46 13-281883, email: kku@ida.liu.se
XII International Conference on Systems Science <No. 34>	Sept. 12-15, 1995 Wroclaw, Poland CfA: expired FP: May 31, 1995	Prof. J. Swiatek, Techn. Univ. of Wroclaw, Wybrzeze Wyspianskiego 27, PL-50-370 WROCLAW, tel: +48 71 21-62-26, fax +48 71 22-36-64, email: l17@PLWRTU11.BITNET
IDIMT'95 - 3rd Interdisciplinary Information Management Talks	Nov. 8-10, 1995, Kubova Hut, Czech Rep. CfA: April 1995i	Prof. G. Chroust, Systemtechnik u. Automation, Kepler Univ. Linz, 4040 Linz, tel: +43 732 2468 865, email: CHROUST @ sea.uni-linz.ac.at
12th Int. Conf. on Case Method Research and Case Method Application 'Environmental Problem Solving <No. 36>	Nov. 12-15, 1995, Maribor, Slovenia CfA: Apr 15, 1995	SEG, Center f. Enviromental Activities, Miklosceva 38 / III, SL-61000 Ljubljana, Slovenia, tel/fax: 388-61-302823
International Conference on Brain Processes, Theories and Models W.S. McCulloch: 25 Years in Memoriam	Nov. 12-17, 1995, Las Palma de Grand Canaria, Canary Islands, Spain CfP: May 30, 1995	Univ. de Las Palmas, Mrs. Paria Teresa Alonson Garcia, C.I.I.C., Campus de Tafira, App. 332, 35080 Las Palmas de Gran Canaria, Spain UNED - Prof. José Mira-Mira, Dpto. Informática y Automática, Senda del Rey, s/n, 28040 Madrid
ISAGA / CAO Joint Conference "The Challenger of Change - Learning to cope with the (self) organization Systems"	July 11-14, 1995, Palma de Mallorca, Spain CfP: May 1, 1995	CAO c/o FED, Via Larga 9, 20122 Milano / Italy tel: +39 2 58371404, fax: +39 2 58304790
International Scientific Workshop - Systems Inquiry - Information Systems and Technology ISAT '95	September 25-30, 1995, Szklarska Poreba, Poland CfP: May 15, 1995	Dr. L. Misiaszek, Techn. University of Wroclaw, Inst. of Control and Systems Eng., Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, d, tel: +48 71 203589, fax: +48 71 223664, email: bazew@pwr.wroc.pl
13th European Meeting on Cybernetics and Systems Research, Vienna	Apr. 9-12, 1996, Vienna, Austria	R. Trappl, Dept. of Med. Cybernetics & AI, Univ. of Vienna, Freyung 6/2, A-1010 Vienna, Austria, tel: +43-1-53532810, fax: +43-1-5320652, E-mail: sec@ai.univie.ac.at
Fuschi-Talks 1996 <No. 34>	Apr. 14-19, 1996, Fuschi, Austria CfA: May 15, 1995	Prof. B. Banathy, 25781 Morse Dr., CARMEL, CA 93923, USA, email: belasr@aol.com
ICCHP 1996: International Conference on Computers for Handicapped Persons	July 16-19, 1996, Linz, Austria	Austrian Computer Society, Wollzeile 1-3, A-1010 Wien, tel: +43 1 512 02 35, email: ocg@vm.univie.ac.at