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ADDENDUM TO DEOSNEWS VOL. 2 NO. 17

by Gerald Santoro

In my review of the Rosalie Wells monograph "Computer-Mediated Communication for Distance Education: An International Review of Design, Teaching and Institutional Issues," I had neglected to provide extremely important information regarding the author and I also used Ms. instead of the more appropriate Dr.

Dr. Wells is Distance Education Specialist at the Centre for Distance Education at Athabasca University. Her work involves: consulting with faculty on CMC course design and teaching; authoring training manuals for faculty and students in the pedagogy of CMC; providing input to administrators regarding the institutional impacts of CMC on Athabasca's resources and current models of course delivery. She may be contacted at Athabasca University, PO Box 10,000, Athabasca, Alberta, Canada T0G 2R0. Her Internet address is [rosaliew@cs.athabascau.ca](mailto:rosaliew@cs.athabascau.ca).

#### EDITORIAL

The International Federation for Information Processing (IFIP) is a multinational federation of professional and technical organizations concerned with information processing. Its goal is to disseminate information and knowledge about information processing. IFIP has several Technical Committees (TCs) and one of them, TC3, is concerned with education. The Working Groups (WG) in TC3 are:

- WG 3.1 Informatics Education at the Secondary Education Level
- WG 3.2 Informatics Education at the University Level
- WG 3.3 Research on Education Applications of Information Technologies
- WG 3.4 Vocational Education and Training
- WG 3.5 Informatics in Elementary Education
- WG 3.6 Distance Learning

WG 3.6 organizes the international TeleTeaching conferences. This editor attended the first TeleTeaching conference in Budapest, Hungary, in 1986, but missed the second conference held in Sydney, Australia, in 1990. The third conference, TeleTeaching 93 will be arranged in Trondheim, Norway.

The IFIP Newsletter is published on a quarterly basis and anyone applying to the IFIP Secretariat for a copy may receive one gratis. Interested parties are also placed upon the newsletter mailing list gratis upon request. The Newsletter Editor is Dr. Jack L. Rosenfeld of the United States.

This issue of DEOSNEWS interviews Asbjoern Rolstadaas, the IFIP President, and Jan Wibe, Chairman of the TeleTeaching 93 International Program Committee. Finally, the TeleTeaching 93 call for papers and contributions

is included.

#### Speaking Personally with Asbjoern Rolstadaas

Morten Flate Paulsen: Can you give us some further information about IFIP?

Asbjoern Rolstadaas: IFIP was founded in 1960 under the auspices of UNESCO. IFIP is dedicated to improving worldwide communication and to increasing understanding among practitioners of all nations about the role information processing, or informatics, can play in all walks of life. Members of IFIP are national organizations in the field of information processing. At the heart of IFIP activities is the technical work managed by a series of Technical Committees (TCs). Each Technical Committee has a particular focus; education is the focus of Technical Committee 3. Technical work within the focus of a Technical Committee is done in Working Groups (WGs) of specialists who are individually appointed by their peers, independent of nationality. IFIP and its Working Groups may be reached through:

The IFIP Secretariat,  
16 Place Longemalle,  
CH-1204 Geneva,  
Switzerland.  
Tel: 41 (22) 282649,  
fax: 41 (22) 7812322,  
E-mail: ifip@cgeuge51

MFP: Who are the IFIP members?

AR: IFIP has 49 full members, that is, national and regional information processing associations. In addition, there are 8 affiliate member organizations. The member associations represent 47 countries.

MFP: Should distance educators consider joining IFIP? If so, why?

There are at least three reasons for distance educators to join IFIP. First, IFIP offers access to a valuable international network of experts and practitioners. Second, IFIP has been very active in the field of telecommunication, especially via TC6, Digital Communication. Third, TC3 has several working groups dealing with education and information processing. Summing up, distance educators can take part in IFIP conferences and workshops and further represent member organizations in the relevant Technical Committees and Working Groups.

#### Speaking Personally with Jan Wibe

Morten Flate Paulsen: What did you learn from TeleTeaching 90?

Jan Wibe: In 1990, the IFIP World Conference on Computers in Education (WCCE'90) was arranged in Sydney, Australia. As part of the program, a one and a half day miniconference was held on teleteaching: TeleTeaching 90 (TT'90). The program of TT'90 was put together by Gordon Davies, Open University, UK and Jan Wibe, Ministry of Education and Research, Norway. In the Australian Program Committee of WCCE'90 Malcolm Beazley from Sydney, Australia, took responsibility for TT'90. The chairman of the WCCE'90 Program Committee, Sandra Wills from Australia also played an active and constructive role in the preparations for TT'90.

The program consisted of a keynote speech by Norman Longworth (UK), sessions with invited speakers, paper sessions, panel sessions, and a

video-conference between pupils in Trondheim, Norway, and participants at the conference in Sydney.

This video-conference was based on several months of work which had been done by some schools from all over the world connected in an e-mail network. They had collected and exchanged data about acid rain. The aim of the work was summarised in the slogan: "The Global Environment, our Common Concern". During the conference in Sydney, children from Sydney analyzed the data with tailor-made software for visitors to the conference. It all ended up with a planned video conference between Sydney and Trondheim. Because of line problems in Germany, this video-conference was reduced to 15 minutes, but at least we had a connection.

All the paper and panel sessions demonstrated that different services in telecommunications are widely used both in ordinary and distance education. Time is ripe for a world conference on all the different aspects of teleteaching as outlined in the topics for Teleteaching 93. It also demonstrated that teleteaching projects are very good ways to show how the technology may be used in an meaningful way. Our aim is to establish such projects on a broader basis than during TT'90. These projects will be for both education in schools and discussion forums about distance learning.

MFP: Who are the invited Keynote speakers for TeleTeaching 93?

JW: Dr. Iam Chaya-Ngam, Sukhothai Thammathirat Open University, Thailand, will discuss "The Use of Teleteaching Methods for the Development of Competence in Developing Countries: Philosophy, Actions and Experiences".

Dr. Jacques Perriault, Ministre de L'education Nationale, of France, will give a presentation titled "How to Face Changing Training Needs: A Challenge for Distance Learning".

Dr. Tony Bates from the Open Learning Agency in British Colombia, Canada will discuss "Educational Aspects of the Telecommunications Revolutions".

Mr. Luis Rosello, Head of the DELTA (Developing European Learning through Technological Advance) unit, will present "Existing and Future Technology for Teleteaching".

Dr. Barry Arnett, IBM Thornwood, USA will talk about "Future Workstations".

MFP: How many participants have you calculated for in the budget?

JW: The budget balances at 945 participants, but we hope for 1500. The responses up till now justify our hope.

MFP: So, how would you describe the interest for the conference so far?

JW: The interest has been encouraging. We have, up till now, received 200 answers by letter to the Call for Papers. 165 persons want to submit a paper, 30 want to present a poster, 73 want to participate in a "Teleteaching project", and 21 would like to have a booth at the exhibition. If we are looking upon the geographical distribution of the persons who want to submit a paper, 39 come from USA, 16 from UK, 16 from Australia, 13 from France, and 9 from Germany. These are on the top of the list. In addition we have received--to the conference mailbox, teleteach@avh.unit.no--around 50 requests for various purposes. Now we are waiting for the papers to be sent to the secretariat before the dead line, October 10th.

MFP: The call for papers says that postgraduate students in the field of teleteaching can get a reduced fee. What are the fees?

JW: The normal fee is USD 275 before March 30, 1993, and USD 350 after that date. The students fee is USD 175.

MFP: Can you please give us some more information about the teleteaching projects and the demonstrations?

JW: One of our experiences from TT'90, was that a "teleteaching project" is a good way to demonstrate the use of telecommunication in education. The project must go on in a period before the conference and the results of the project must be demonstrated during the conference. We are now planning similar projects connected with TT'93. These projects will be advertised in the program and most of them will be open for participation. We will try to cover a wide area of applications from datacommunication, software, databases etc., but most of the projects will be using electronic mail because it is most widely used. For the moment we are in the planning stage, so we can't offer you any concrete projects in which to participate. For the schools around the world, we will establish projects like the one in TT'90 about the global and local environment. For the professionals in distance education, we will try to establish electronic discussion forums. But we are also open for cooperation with ongoing projects. Please contact the conference secretariat if you are interested in participating in a teleteaching project or if you want to have your ongoing project connected to and presented during the conference. A teleteaching project is one way to demonstrate the use of telecommunication. We will also set up demonstrations during the conference, not for the sake of technology in itself, but as examples of the pedagogical use of it in ongoing projects. For the moment, we have received ideas of videoconferences which we will try to establish. But we are also open for ideas for demonstrations from the readers of DEOSNEWS. Please contact the conference secretariat!

MFP: How can a conference like TeleTeaching be sponsored?

JW: IFIP is the main sponsor of the conference and the Norwegian Telecom is the main financial supporter. In addition to these organizations, the sponsors include the International Council for Distance Education (ICDE), UNESCO, Comett, and the Norwegian Ministry of Education, Research, and Church Affairs. We are still working to get more organizations as sponsors for the conference.

MFP: Is there anything you would like to add?

JW: The name of the conference is Teleteaching 93. It gives the impression that the conference is only about educational matters. That is wrong. Read carefully the subtitle of the conference: Learning and working independent of time and distance. The working part of it is very important. I suppose that most of the readers of DEOSNEWS are used to distance working using electronic media in the process. This aspect of the conference is important to us and we really hope we will get many papers that focus upon the working part of it.

At last, I wish you welcome to Trondheim in August 1993. And I hope that you will make contributions to the conference in your field of expertise. The fact that you are reading this electronic journal, shows that you are regular users of the media we are going to demonstrate in the conference.

#### Call for Papers and Contributions

TeleTeaching 93: International Conference and Exhibition  
Trondheim, Norway  
August 20 - 25, 1993

Learning and working independent of time and distance

Welcome to TeleTeaching 93 in Trondheim, Norway, August 20 - 25, 1993

#### TELETEACHING 93

The main theme of TeleTeaching 93 is the development and application of telecommunication techniques to enhance human knowledge and skills. The areas of application include education at primary, secondary and university levels, as well as training in various situations, particularly the workplace.

The conference will be a forum for educators, politicians, managers of human resources and experts in the many technical fields of tele-teaching. What technology can do now and what it promises for the future are two aspects to consider. Experts are welcome to discuss the development of all techniques used in teleteaching, particularly purpose-built equipment, software, transmission and management systems. Educators will discuss how they have implemented new techniques, both successfully and unsuccessfully, in order to meet the learning needs of society. We hope that the discussions between politicians, managers, educators and technical experts will help to reduce the gap between teaching and learning requirements on the one hand and technical solutions on the other.

Technology is a tool to assist in the development of society. What are our goals and visions for the next century? The technology to be used will depend on the social and technical infrastructure in society. At TeleTeaching 93 we will discuss the consequences of implementing various techniques in society at different economic, technological and social levels.

The participants at TeleTeaching 93 will:

- present the current state of the development in telecommunications used in education, training and distance working
- demonstrate successful applications from different institutions and countries
- debate the impact upon society of the new technologies
- inform about initiatives, plans, support, regulations etc. by international organizations, governments and regional authorities
- define the subject of teleteaching as one of the most important in education and training
- debate the potential of distance working
- discuss what is needed and what is possible.

#### PARTICIPANTS

We welcome participants and contributors from:

- Industry and business:
  - \* Management
  - \* Education and training
  - \* Research and development
  - \* Multi-national companies as well as small and medium size enterprises
- Educational sector
  - \* Primary school to university
  - \* Distance education
  - \* Open learning

- Public sector
  - \* Decision makers
  - \* Politicians
  - \* Administration

Post graduate students in the field of teleteaching are especially welcome. There will be a reduced fee for students.

#### TOPICS:

The programme will be organized in sessions on the following main topics:

1. Educational aspects
  - \* Student and teacher relations
  - \* Teaching and learning methods
  - \* The workplace of the learner and teacher
  - \* Design of educational programmes
  - \* Research on use of new technology in teleteaching
2. Social Aspects
  - \* Effects on human beings
  - \* Effects on human relations in society and companies
  - \* Political aspects
  - \* Infrastructure in society
  - \* Cost-benefit analyses and considerations
  - \* Technology adaptation
3. Distance working
  - \* Design and operation of the workplace
  - \* Organizational challenges
  - \* Effects on society
  - \* Applications
4. Technology
  - \* State of the Art
  - \* Existing solutions
  - \* User experiences and needs
  - \* New concepts
  - \* Research and development.

The following technologies are included in TeleTeaching 93:

- Radio and TV broadcasting
- Telecommunications
- Computer Networks
- Storage and retrieval
- Workstations
- Software and learning materials.

5. Case presentations
 

Please present all aspects of your case; the technology used, organization, pedagogical methods, learning effects, costs etc.

#### INVITED SPEAKERS:

Keynote speakers will be invited on the main topics of the conference.

**CONFERENCE LANGUAGE:**

The conference language is English. No translation services will be available.

**HOW TO SUBMIT SHORT CONTRIBUTIONS**

Six (6) copies of a one page abstract should be sent to the TeleTeaching 93 Secretariat no later than October 10, 1992. Please indicate the main topic of your contribution. The proposals will be judged for relevance and clarity and will be reviewed by at least three reviewers. Short contributions will be selected for a 10 minute oral presentation and/or a poster presentation.

**HOW TO SUBMIT PAPERS**

Six (6) copies of the full paper should be received by the Conference Secretariat no later than October 10, 1992. Papers must be written in English. Papers should be no longer than 10 pages including tables, diagrams and pictures. Please state full title, name and affiliation of author(s) as well as postal and electronic mail addresses, and telephone and fax numbers. A one page abstract must be included. Please indicate which topic you feel your paper should be presented under.

All papers will be reviewed by at least three reviewers. Relevance, originality, and clarity will be considered. All authors must state that their paper has not been submitted elsewhere. Acceptance of a paper implies a commitment on the part of the author(s) to present it at TeleTeaching 93. Accepted papers will be published in the proceedings.

**DEMONSTRATIONS**

It will be possible to give a demonstration during TeleTeaching 93. Projects, equipment, software etc. can be demonstrated. Completed or ongoing distance learning or working projects are particularly welcome. Please contact the Conference Secretariat if you want to present a demonstration. Please submit a description of your project or product.

**PRE AND POST CONFERENCE MEETINGS**

The conference site has excellent facilities for pre- and post-conference meetings, or smaller meetings during the conference. TeleTeaching 93 will be an opportunity for organizations, user groups, societies, companies etc. to meet. Please contact the Conference Secretariat for reservations. If you like, information about such events will be included in the preliminary programme and registration form.

**ASSOCIATED MINICONFERENCES**

Computer Pals Across the World's International Teleteaching Conference, 1993, August, 18-19, 1993, Trondheim, Norway

Theme: Teaching and Learning in a global network

The Norwegian Educational Computer Association (NPD) will be the host organization which will cooperate with Computer Pals Across the World (CPAW).

Chairmen of International Programme Committee:

Sindre Roesvik, Norway  
Malcolm Beazley, Australia.

Chairman of The Local Organizing Committee:  
Helen Bargel.

For further information, please contact TeleTeaching 93 Secretariat.

High speed Datacommunication Network  
August, 19, 1993, Trondheim, Norway

An important aspect of teleteaching is the creation and use of suitable networks to facilitate the delivery of distance education programmes. Research on networks together with their development and application throughout the world will be discussed.

Topics:

- Network development and history
- Main trends in private and public networks
- Trends in high speed communication
- Applications, today and tomorrow
- Demands on future network users
- Terminals
- Broadband requirements
- Co-existence with other applications - multiuse of high speed network
- Economic aspects of using the new technology
- High speed network carriers (SMDS, Frame Relay, FDDI etc.)

Chairman of Programme Committee:  
Frank Kobberøed, Norway

For further information, please contact:  
Frank Kobberøed  
Norwegian Telecom, Central Region  
7005 Trondheim  
Norway  
Tel: +47 7 544077  
Fax: +47 7 544070

WORKSHOPS

Suggestions for separate workshops during the conference are welcome. Please contact the Secretariat.

EXHIBITION

The exhibition is open for the presentation of equipment, systems, software and other products of importance to teleteaching. Please focus on available products as well as solutions for the future. Organizations, institutions and others are also invited to present their educational programmes as well as other activities initiated in order to promote teleteaching and distance learning.

Experts from around the world and key persons introducing new technology into teaching and learning organizations will be attending the exhibition.

Entrance to the conference auditoriums will be from the exhibition area. The delegates will have easy access to the exhibition.

Potential exhibitors are asked to contact the Conference Secretariat for further information. We would also like to receive proposals for companies, organizations or individuals that ought to be invited to



participate in the exhibition and present interesting products and activities.

#### REGISTRATION

In February 1993 the Preliminary Programme, including registration form will be distributed. More details about accommodation and booking, the social programme and pre- or post-conference tours, as well as accepted papers, will be given at this time.

#### CONFERENCE FEE

Payment before March 30, 1993: USD 275  
 Payment after March 30, 1993: USD 350  
 All authors: USD 275

#### WRITTEN DOCUMENTATION:

Participants will receive Abstracts of Papers. Proceedings will be published by Elsevier Publishing Company and be available at the conference.

#### KEY DATES

October 10, 1992: Deadline of submission of full papers and abstracts (six copies).  
 January 30, 1993: Notification of acceptance/rejection of papers and posters.  
 February 15, 1993: Preliminary programme will be published.  
 March 27, 1993: Camera-ready copy of revised papers received by the Programme Committee together with passport photo.  
 May 31, 1993: Camera-ready copy of abstracts for short presentations, posters, exhibition, demonstrations, workshops etc. received by the Conference Secretariat.  
 May 31, 1993: Conference registration deadline.  
 August 20-25, 1993: TeleTeaching 93.

#### ORGANIZING THE CONFERENCE

TeleTeaching 93 is an IFIP open conference.

#### International Programme Committee:

- Head of Project Jan WIBE, chairman  
University of Trondheim, Norway
- Director Gyozo KOVACS, vice-chairman  
Application and Service Company, Budapest, Hungary
- Head of Computing Department  
Gordon DAVIES, managing editor  
The Open University, Milton Keynes, United Kingdom
- Professor Robert M. AIKEN  
Temple University, Philadelphia, USA
- Professor Monique GRANDBASTIEN  
Universite Nancy 1, France
- Director Raymond MOREL  
CIP, Geneva, Switzerland
- Professor Iam CHAYA-NGAM  
Sukhothai Thammathira Open University, Thailand
- Director Brian SAMWAYS, co-editor  
Birmingham City Council, United Kingdom
- Inspector Erling SCHMIDT

- Municipal Authority of Aalborg, Denmark
- Professor Antonio VAQUERO
- Universidad Complutense de Madrid, Spain
- Professor Martial VIVET
- LIUM - Universite du Maine, Le Mans, France

Norwegian Advisory Committee:

- Executive officer Gunnar GREPPERUD
- The Norwegian Executive Board for Distance Education, Tromsø
- Research Sociologist Tove KRISTIANSEN
- Norwegian Telecom, Oslo
- Head of Project Tore R. JOERGENSEN
- The Norwegian Institute of Technology, Trondheim
- Editor of DEOS, Morten Flate PAULSEN
- The American Center for the Study of Distance Education, Pennsylvania, USA
- Research leader Torstein REKKEDAL
- NKI, Oslo
- Secretary General Reidar ROLL
- International Council for Distance Education (ICDE), Oslo
- Research Fellow Morten SOEBY
- University of Oslo

Norwegian Steering Committee:

- Director Arvid STAUPE, chairman
- The Norwegian Ministry of Education, Research and Church Affairs, Oslo
- Professor Asbjørn ROLSTADAAS, President of IFIP
- The Norwegian Institute of Technology
- Managing Director Per BEGBY, Norwegian Computer Society
- Chairmen of International Programme Committee and Organizing Committee

Chairman of Organizing committee:

- Senior PR Consultant Jan BREDEVEIEN
- Sr. Gruppen as, Trondheim.

Conference Secretariat:

- TeleTeaching 93
- Kersti LARSEN
- Norwegian Computer Society
- POB. 6714 Rodeløkka
- N-0503 Oslo
- Norway
- Tel: +47 2 370213
- Fax: +47 2 354669
- Email: teleteach@avh.unit.no or: Campus2000: 01:YNP018

SPONSORS

The International Federation for Information Processing is the main sponsor.

The International Council for Distance Education is the cosponsor.

Norwegian Telecom is the main financial supporter.

The Norwegian Computer Society is the organizer of the conference.

SAS is the Official Carrier.

I AM INTERESTED IN:

- submitting a paper
- presenting a poster
- participating in a teleteaching project before the

conference taking part in the exhibition  
other interest (please specify)  
Please send the preliminary programme

Name:  
Institution:  
Address:  
Tel:  
Fax:  
Email:

Payment before March 30, 1993: USD 275  
Payment after March 30, 1993: USD 350  
All authors: USD 275

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