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EDUCATION and NEW EDUCATIONAL TECHNOLOGIES



Proceedings of the 4th WSEAS/IASME International Conference
on EDUCATIONAL TECHNOLOGIES (EDUTE'08)

Corfu, Greece, October 26-28, 2008

Recent Advances in Computer Engineering
A Series of Reference Books and Textbooks

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Preface

This book contains the proceedings of the 4th WSEAS/IASME International Conference on EDUCATIONAL TECHNOLOGIES (EDUTE'08) which was held in Corfu, Greece, October 26-28, 2008. This conference aims to disseminate the latest research and applications in Education and Training, Basic Science in Engineering Education, Best Practices and Case Studies, Bridging the gap of Education and the Requirements of the Production, Education in Information Technology and other relevant topics and applications.

The friendliness and openness of the WSEAS conferences, adds to their ability to grow by constantly attracting young researchers. The WSEAS Conferences attract a large number of well-established and leading researchers in various areas of Science and Engineering as you can see from <http://www.wseas.org/reports>. Your feedback encourages the society to go ahead as you can see in <http://www.worldses.org/feedback.htm>

The contents of this Book are also published in the CD-ROM Proceedings of the Conference. Both will be sent to the WSEAS collaborating indices after the conference: www.worldses.org/indexes

In addition, papers of this book are permanently available to all the scientific community via the WSEAS E-Library.

Expanded and enhanced versions of papers published in this conference proceedings are also going to be considered for possible publication in one of the WSEAS journals that participate in the major International Scientific Indices (Elsevier, Scopus, EI, ACM, Compendex, INSPEC, CSA see: www.worldses.org/indexes) these papers must be of high-quality (break-through work) and a new round of a very strict review will follow. (No additional fee will be required for the publication of the extended version in a journal). WSEAS has also collaboration with several other international publishers and all these excellent papers of this volume could be further improved, could be extended and could be enhanced for possible additional evaluation in one of the editions of these international publishers.

Finally, we cordially thank all the people of WSEAS for their efforts to maintain the high scientific level of conferences, proceedings and journals.

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Plenary Lecture I

Information Technology Implication in Student Behaviour for Information Literacy Skills



Professor Angela Repanovici
Transilvania University of Brasov,
ROMANIA

Email: arepanovici@unitbv.ro

Abstract: We need to evaluate, manage and teach the use of the information used in learning and teaching activities for information literacy skills. Information literacy, key to lifelong learning plays one important role in higher education and it is related to information technology skills.

The implications of “fluency” with information technology, computer literacy and connexion between information literacy and higher education, pedagogy were done by qualitative marketing research applied on TRANSILVANIA university students.

There were tested 2 models:

- Information-seeking behaviour nonlinear model
- Information behaviour based on the search transition schema

This study surveyed 400 users and employed a lifestyle segmentation approach for categorising the users. Based on an analysis of the goals of information seeking research, and a view on human task performance augmentation, it is then shown that information seeking is intimately associated with, and dependent on, other aspects of work; tasks and technology included. This leads to a discussion on design and evaluation frameworks for information seeking and retrieval, based on which there are proposed two action lines: information retrieval research needs extension toward more context and information seeking research needs extension towards tasks and technology. In particular, the search process and its sub-categories search situation and transition, and the relationship between these are discussed. To justify the method schema an empirical study was designed according to the schema's specifications. In the paper a subset of the study is presented analysing the effects of work tasks on Web information searching. Findings from this small-scale study indicate a strong relationship between the work task goal and the level of relevance used for judging resources during search processes.

Paying due attention to the goal of augmenting work task performance we turn information seeking much closer to disciplines such as information management, information systems, organizational design etc. Information seeking research may lose some of its independence but gain a better ability to communicate across disciplinary boundaries, thereby becoming more relevant in the eyes of the others. We feel that there is much demand for research along these lines.

Using people's work task as a point of departure for understanding what generates their searching will often be fruitful, and the Search Situation and Transition method schema can be used for that purpose. It will be useful to learn more about the context of people's actual interaction with information systems for several reasons. Therefore, the isolated attempts at attacking the problems from one tradition or the other should be reduced in favour of research that combines seeking and searching issues.

Brief Biography of the Speaker:

Professional Activity:

- From December 2003, by contest, Professor at the Fine Mechanics and Mechatronics Department , Mechanical Engineering Faculty and Department of Library Science, Letters Faculty
- From 2001-2008 University Library Director
- From 2006-2008, President of National Commission Library
- From 2005, Coordinator of the area of specialisation Information Science and Communication within the Faculty of Letters, open and distance learning;

Post Graduate Specialisation:

- 1999 PhD in Technical Sciences
- 2003 Postgraduate training course - Quality Management
- 2006 Postgraduate training course - Communication and Information Sciences
- From 2006 PhD candidate in field of Economical Science, Marketing , cotutela Library Science

Competencies Skills

- Information literacy
- Information science
- Typographic and digitization systems
- Management of infodocumentary systems
- Informatization systems

Scientific Activity:

Books published in main publishing houses: 8

Articles published: 157

Patents: 1

Research Activity:

Director of 5 research national projects in engineering applied in library science

INITIATION and DEVELOPMENT OF INTERNATIONAL PROGRAMMES:

LEONARDO DA VINCI PROJECT 2005-2006: No. RO/2005/95006/EX;

LEONARDO DA VINCI PROJECT 2003-2004: No. RO/2003/PL 91017/EX

Membership in International Organisations

- Member AGIR (General Association of Engineers in Romania)
- Member SRMTA (Romanian Society of Theoretical and Applied Mechanics)
- European Association for Health Information and Libraries (EAHIL)

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