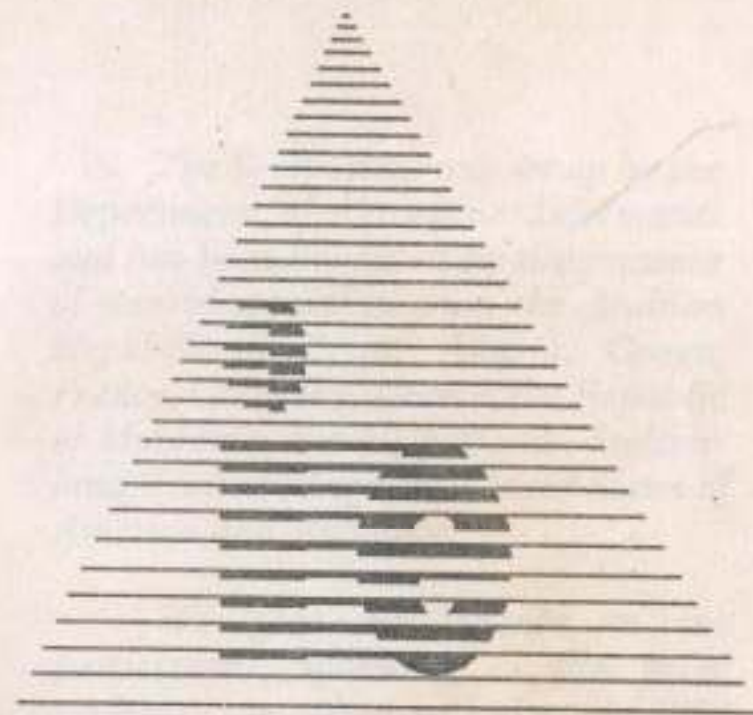


**THE 2<sup>nd</sup> INTERNATIONAL SYMPOSIUM  
OF ECONOMIC INFORMATICS  
BUCHAREST  
MAY, 10-13, 1995**

**P R O G R A M**



**THE 2<sup>nd</sup> INTERNATIONAL SYMPOSIUM  
OF ECONOMIC INFORMATICS  
BUCHAREST  
MAY, 10-13, 1995**

**P R O G R A M**



ACADEMY OF ECONOMIC STUDIES  
FACULTY OF ECONOMIC  
CYBERNETICS, STATISTICS  
AND INFORMATICS

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*The Symposium was set up by the Department of Economic Informatics and has been honoured by the presence of several specialists from the Arabian Republic of Egipt, Austria, Congo, France, Germany, Greece, the Republic of Moldavia, the Netherlands, Switzerland, United Kingdom, United States of America and Romania.*

*We give our thanks to the participants, sponsors, to the press, students, to the colleagues of the Academy of Economic Studies Bucharest, who, by their efforts, skills and understanding, contributed to the good organization of the Symposium.*

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EXHIBITION: OMNILOGIC



## GENERAL PROGRAM

May, 10, 1995, Academy of Economic Studies AULA:

10<sup>00</sup> - 11<sup>15</sup> Official Opening

11<sup>15</sup> - 14<sup>00</sup> Meetings:

11<sup>15</sup> - 11<sup>45</sup> **OMNILOGIC** - *Reserved*

12<sup>00</sup> - 12<sup>30</sup> **COMPUTER SHARING BUCHAREST - BPCS** - *A flexible and complete solution for a modern Management Information System*

12<sup>15</sup> - 13<sup>15</sup> **LOGIC TELECOM S.A.** - *Business Opportunities and Economic Information on LOGICnet - Public Data Network*

13<sup>30</sup> - 14<sup>00</sup> **COZEXIM SRL** - *BaniExpert™*

14<sup>00</sup> - 15<sup>00</sup> Books Show

May, 11, 1995

8<sup>30</sup> - 13<sup>30</sup>, 15<sup>00</sup> - 19<sup>30</sup> Proceedings papers

May, 12, 1995

8<sup>30</sup> - 13<sup>30</sup> Proceedings papers

15<sup>00</sup> - 17<sup>00</sup> Workshop: *Actual Problems on Software Quality Management*

May, 10-12, 1995 Exhibition

## Activities Distribution (days/hours/rooms)

Nr.	Section	Thursday May 11 <sup>th</sup> , 1995				Friday May 12 <sup>th</sup> , 1995	
		8 <sup>h</sup> -10 <sup>h</sup>	11 <sup>h</sup> -13 <sup>h</sup>	15 <sup>h</sup> -17 <sup>h</sup>	17 <sup>h</sup> -19 <sup>h</sup>	8 <sup>h</sup> -10 <sup>h</sup>	11 <sup>h</sup> -13 <sup>h</sup>
		I	Methods, Technics and Programming Tools	208C	208C		
II	Standards, Security and Software Quality	204C	204C				
III	Open Systems and Distributed Processing			208C	208C		
IV	Multimedia			204C			
V	Data Bases					204C	204C
VI	Searching Methods in Solution Space	202C	202C				
VII	Expert Systems in Economy	207C	207C				
VIII	Information Systems			205C	205C	205C	205C
IX	Economic Modelling					207C	
X	Statistical Methods			207C	207C		

May 11<sup>th</sup> 1995  
Room 208 C

Section 1  
Methods, Technics  
and Programming Tools

Chairman:  
Ioan Odăgescu

Secretary:  
Felix Furtună

8<sup>30</sup> - 8<sup>45</sup>

*A C++ Implementation of Generic Historical Object Class for the Handling of Historical Date* - L.C. Valet, University of Leeds, England

8<sup>45</sup> - 9<sup>00</sup>

*Sur la rationalisation assistée par ordinateur de systèmes d'information* - C. Apostol, Academie d'Etudes Economiques, Bucarest, Roumanie

9<sup>00</sup> - 9<sup>15</sup>

*Facilitating BPR with CASE-based Modelling of the Information Infrastructure* - Roelof J. van den Berg, Eindhoven University of Technology, The Netherlands

9<sup>15</sup> - 9<sup>30</sup>

*Strategy of Programming* - T.I. Bragaru, A.C. Goncareenco, S.M. Pereteatcu, V.C. Sibirsky, Academy of Economics Studies, Kishinev, Moldova

9<sup>30</sup> - 9<sup>45</sup>

*Optimization of Large Software Systems* - Petru Curticăpean, National Bank of Romania, Tg. Mureș, Romania

9<sup>45</sup> - 10<sup>00</sup>

*La Ré-ingénierie: Objectifs et Tehniques* - M. Ayache, M. Ouhalima, K. Menhoudj, INSA - Lyon, France

10<sup>00</sup> - 10<sup>15</sup>

*The Problems of Elaboration and Implementation of the EXTENDOR'S in the Adaptable Languages of Object Oriented Programming* - Dumitru Todoroy, Diana D. Micușa, Academy of Economics Studies, Kishinev, Moldova.

10<sup>15</sup> - 10<sup>30</sup>

*ObjectLogic - A Deductive Object-oriented Interface* - Mircea Răureanu, Beatrice Drăgan, Mihaela Ciucur, Octavia Popescu, Research Institute for Informatics, Bucharest, Romania.

10<sup>30</sup> - 11<sup>00</sup>

B R E A K

**Chairman:**

**Dumitru Todoroy**

**Secretary:**

**Felix Furtună**

11<sup>00</sup> - 11<sup>15</sup>

*Fondements et evolution du paradigme objet* - M. Ayache, A. Flory, INSA - Lyon, France

11<sup>15</sup> - 11<sup>30</sup>

*A Software Tool for Evaluation of Production Systems Modeled with Stochastic Petri Nets* - Emilian Gutuleac, Anatol Gavriiliuc, Igor Enicov, Technical University, Kishinev, Moldova

11<sup>30</sup> - 11<sup>45</sup>

*The Specific Constants of Programs* - Sabin Garon, University of Cluj-Napoca, Romania

11<sup>45</sup> - 12<sup>00</sup>

*Using the ISO Computer Graphics Reference Model in the Design of User Interfaces* - Costin Pribeanu, Research Institute for Informatics, Bucharest, Romania

12<sup>00</sup> - 12<sup>15</sup>

*Data Dependence and Parallelization of Sequential Programs* - Dan Racovițan, Monica Ciaca, Alexandru Vancea, University Babeș-Bolyai, Cluj-Napoca, Romania

12<sup>15</sup> - 12<sup>30</sup>

*An Object-Oriented Environment for Complex Object Acquisition and Validation* - Octavian Man, Ovidiu Pop, Technical University, Cluj-Napoca, Romania

12<sup>30</sup> - 12<sup>45</sup>

*Extension de la notion de type dans les langages orientés objet* - Hugues Lecoeuche, Institut National des Sciences Appliquées de Lyon, France

12<sup>45</sup> - 13<sup>00</sup>

*Object Maker Windows Interface* - Mihaela Ciucur, Research Institute for Informatics, Bucharest, Romania

13<sup>00</sup> - 13<sup>15</sup>

*Test Case Generation Algorithm* - Mike Moldovan, Moorpark, USA



May 11<sup>th</sup> 1995  
Room 204 C

**Section 2**  
**Security, Standards**  
**and Software Quality**

**Chairman:**  
**Alexandru Ghiță**

**Secretary:**  
**Marian Dârdală**

8<sup>30</sup> - 8<sup>45</sup>

*The Backpropagation Algorithm and its Derivations: Comparative Performances* - Elena Gaura, A.Burian, Technical University, Cluj-Napoca

8<sup>45</sup> - 9<sup>00</sup>

*A System for Software Testing and Evaluation* - R.Trifu, Research Institute for Informatics, Bucharest, Romania

9<sup>00</sup> - 9<sup>15</sup>

*Consideration about Pseudo-Random Sequence Software Generation for Cryptography* - Gherasim Zenovic, Technical Military Academy, Bucharest, Romania

9<sup>15</sup> - 9<sup>30</sup>

*Defining Systems Quality: Involving End-Users* - R. Kusters, F.Heemstra, J.Trienekens - Eindhoven, University of Tehnology, The Netherlands

9<sup>30</sup> - 9<sup>45</sup>

*Principles and Architecture of a Dedicated System for Software Reliability Measurement and Prediction Using Trend Analysis* - Marian Staș, Ministry of National Defence, Bucharest, Romania

9<sup>45</sup> - 10<sup>00</sup>

*ISO 9000 and Capability Maturity Model for Software: Approaches to Quality Management and Process Improvement* - T.Baron, I.Ivan, Academy of Economic Studies, Bucharest, Romania, Al.Balog, Research Institute for Informatics, Bucharest, Romania

10<sup>00</sup> - 10<sup>15</sup>

*Software Licence Cost* - Paula Apreutesei, Research Institute for Computers, Bucharest, Romania

10<sup>15</sup> - 10<sup>30</sup>

*Cryptography in the Security of Business Computer Applications* - Victor-Valeriu Patriciu, Technical Military Academy, Bucharest, Romania

10<sup>30</sup> - 11<sup>00</sup>

B R E A K

**Chairman:**  
**Ion Ivan**

**Secretary:**  
**Marian Dârdală**

11<sup>00</sup> - 11<sup>15</sup>

*Metrics of Software Complexity* - Romulus Arhire, Softplus SRL, Bucharest, Romania, Gabriel Tănase, University of Craiova, Romania

11<sup>15</sup> - 11<sup>30</sup>

*Criteria for Assessing the Quality of an Informatic Product* - Radu Garofeanu, SC.Energoconstrucția SA, Timișoara, Romania

11<sup>30</sup> - 11<sup>45</sup>

*Short Approach on Software Quality Management and Modeling* - Laurențiu Teodorescu, QED-Soft, Constanta, Romania, Mihai Popescu, Ministry of National Defence, Bucharest, Romania

11<sup>45</sup> - 12<sup>00</sup>

*The RISC Microprocessors Performances and Facilities* - Radu Mârșanu, Academy of Economics Studies, Bucharest, Romania

12<sup>00</sup> - 12<sup>15</sup>

*Comment Evaluer les Performances des Systemes d'Information* - Gabriela Avram, AISTEDA, Alba-Iulia, Romania



May 11<sup>th</sup> 1995  
Room 208 C

**Section 3**  
**Open System and Distributed**  
**Processing**

**Chairman:**  
**Gheorghe Dodescu**

**Secretary:**  
**Floarea Năstase**

15<sup>00</sup>-15<sup>15</sup>

*L'analyse du temps de réponse dans des réseaux informatiques* - Nicolae Tomai, Université "Babeş Bolyai", Cluj-Napoca, Roumanie

15<sup>15</sup>-15<sup>30</sup>

*Compatibility RDBMS-GIS in the "Open Systems" Universe* - Virgil Duţescu, Gabriela Chirilă, Research Institute for Informatics, Bucharest, Romania

15<sup>30</sup>-15<sup>45</sup>

*Technical and Operational Features of Romanian Senate Local Microcomputer Network* - Valeriu Pescaru, Bucharest, Romania

15<sup>45</sup>-16<sup>00</sup>

*Load Balancing Techniques for Improving Execution Efficiency in Distributed Computing Systems* - Alexandru Vancea, University "Babeş Bolyai", Cluj-Napoca, Romania

16<sup>00</sup>-16<sup>15</sup>

*Internetwork Configuration and Design Algorithm ICDA* - Claudiu Bulaceanu, Institute for Computers Bucharest, Romania

16<sup>15</sup>-16<sup>30</sup>

*Administration des réseaux informatiques* - Gheorghe Dodescu, Floarea Năstase, Adrian Vasilescu, Académie des Etudes Economiques, Bucarest, Roumanie

16<sup>30</sup>-16<sup>45</sup>

*SNMP Support Available for NetWare Servers* - Florin Vladimir Pilat, Academy of Economic Studies, Bucharest, Romania

16<sup>45</sup>-17<sup>00</sup>

*Intelligent User Interface for UNIX on Small Machines* - Nikolaos Manolis, Athens, Greece

17<sup>00</sup> - 17<sup>30</sup>

B R E A K

17<sup>30</sup> - 17<sup>45</sup>

*Méthodes et outils d'optimisation des architectures logiques et physiques des applications transactionnelles dans un environnement réparti* - Benjamin Razafimandimby, Béatrice Rumpler, INSA de Lyon, France

17<sup>45</sup> - 18<sup>00</sup>

*Modélisation du temps de réponse pour l'évaluation de performance d'applications transactionnelles* - Mario Polo, Béatrice Rumpler, INSA de Lyon, France

18<sup>00</sup> - 18<sup>15</sup>

*Windows NT: Promesses et limites* - Ioan Roxin, Académie des Etudes Economiques, Bucarest, Roumanie, Fabrice Cêtre, INSA de Lyon, France



May 11<sup>th</sup> 1995  
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**Section 4  
Multimedia**

**Chairman:**  
Csaba Fabian

**Secretary:**  
Daniel Luca

15<sup>00</sup> - 15<sup>15</sup>

*High-level Interf0xe Facilities for an Object Oriented Multimedia Database Management System* - Radu Berbaru, Alexandru Boeşteanu, Vladimir Florian, Mihai Marchidann, Research Institute for Informatics, Bucharest, Romania

15<sup>15</sup> - 15<sup>30</sup>

*A Way to Integrate Multimedia into Traditional Scholarship* - Mar0xn Dobre, University "Politehnica", Bucharest, Sorin Manta, FORTE Computers Ltd., Bucharest, Romania

15<sup>30</sup> - 15<sup>45</sup>

*The Representation of Natural Language's Semantics in Multidatabase Conceptual Modelling* - Alexandra Galatescu, Research Institute for Informatics, Bucharest, Romania

15<sup>45</sup> - 16<sup>00</sup>

*On Line Cutting Stock Problem Using Multimedia* - Csaba Fabian, Academy of Economics Studies, Bucharest, Romania

16<sup>00</sup> - 16<sup>15</sup>

*Processing of a Still Picture* - Adrian Vasilescu, Academy of Economic Studies, Bucharest, Romania

May 12<sup>th</sup> 1995  
Room 204 C

**Section 5  
Data Bases**

**Chairman:**  
S.I. Niţchi

**Secretary:**  
Cristina Ioniţă

8<sup>30</sup> - 8<sup>45</sup>

*Some Remarks about the Object Oriented Data Bases(OOD) in the Management and Business Information Systems(MBIS)* - S.I.Nitchi, R.Avram-Nitchi, University of Cluj-Napoca, Romania

8<sup>45</sup> - 9<sup>00</sup>

*Some Remarks about the Management and Business Information Systems Based on Flat Data Bases* - R.Avram-Nitchi, S.I.Nitchi, University of Cluj-Napoca, Romania

9<sup>00</sup> - 9<sup>15</sup>

*Knowledge Islands and Objects - an Approach to the Object Oriented Knowledge Base Design* - Stefan Kovacs, ICSPM, Bucharest, Romania

9<sup>15</sup> - 9<sup>30</sup>

*BDPS - A Signal Processing Data Base Information* - Gabriel Ciplea, Corneliu Rusu, Technical University, Lucia Rusu, "Babes-Bolyai" University, Cluj-Napoca, Romania

9<sup>30</sup> - 9<sup>45</sup>

*The Principles of Automatic Information Systems Designing for Economic Entities of Different Levels of Hierarchy* - I.Costas, STS "Informational Technologies and Systems", Kishinev, Moldova

9<sup>45</sup> - 10<sup>00</sup>

*Les particularités de la constitution et du fonctionnement des banques automatisées des données(Bn.AD) dans l'économie* - T.St.Leahu, Académie d'Etudes Economiques, Kishinev, Moldova



10<sup>00</sup> - 10<sup>15</sup>

*EXMAN 3.0. Data Base Object Oriented Integrated Interactive System Used in Management, Accountancy and Financial Administration* - Gelu Vasile Frunza, Andrei Stoica, Nicolae Leonte Neagu, Nicolae Balan, ECSO&EXO Ltd., Bucharest, Romania

10<sup>15</sup> - 10<sup>30</sup>

*Utilisation of Some Features of the Communication Language in the Creation of the Database Frame in the Field of Ecology and Agriculture* - I. Burlacu, S.T.S. Informational Technologies and Systems, Kishinev, Moldova

10<sup>30</sup> - 11<sup>00</sup>

B R E A K

Chairman:  
Gheorghe Sabău

Secretary:  
Cristina Ionita

11<sup>00</sup> - 11<sup>15</sup>

*"DBCLASS": An C++ Object Library for Database Management* - Andrei Iancu, Research Institute for Informatics, Bucharest, Romania

11<sup>15</sup> - 11<sup>30</sup>

*ISA - Correctness in OODB Schemas* - Ioan Despi, Victoria Iordan, Alexandru Cicortas, Western University, Timisoara, Romania

11<sup>30</sup> - 11<sup>45</sup>

*Useful Methods and Techniques in the Maintenance of Data Bases that Allow the Product Structure Representation* - Alexandru Cicortas, Ioan Despi, Victoria Iordan, Western University, Timisoara, Romania

11<sup>45</sup> - 12<sup>00</sup>

*Comparing the Object Oriented Data Bases with the Relational Data Bases* - Magdalena Stanciu, Academy of Economic Studies, Bucharest, Romania.

May 11<sup>th</sup> 1995  
Room 202 C

**Section 6**  
**Searching Methods in**  
**Solution Space**

Chairman :  
Csaba Fabian

Secretary:  
Daniel Luca

08<sup>30</sup> - 08<sup>45</sup>

*On the Use of Multiple Centrality Corrections a Primal-Dual Method for Large Scale Linear Programming* - J. Gondzio, University of Geneva, Switzerland

08<sup>45</sup> - 09<sup>00</sup>

*Maximum Likelihood Estimation of Convex Density Functions* - T. Terlaky, Delft University of Technology, J.Vial, University of Geneva, Switzerland

09<sup>00</sup> - 09<sup>15</sup>

*The Dynamic Programming and Catalan Number* - D. Luca, Academy of Economic Studies, Bucharest, Romania

09<sup>15</sup> - 09<sup>30</sup>

*A Generalization for Tower of Hanoi Puzzle* - I. Odăgescu, D. Luca, Academy of Economic Studies, Bucharest, Romania

09<sup>30</sup> - 09<sup>45</sup>

*Some Remarks Concerning the Determination of Relational Patterns from a String of Symbols* - M. Oprea, University of Ploiesti, Romania

09<sup>45</sup> - 10<sup>00</sup>

*Relation Scheme Calculus* - S.Pereteatcu, T. Bragaru, Academy of Economic Studies, Kishinev, Moldova



10<sup>00</sup> - 10<sup>15</sup>

*Experimental Study of Numerical Integration by Monte Carlo Method* -  
N. Cataniciu, ICSMPS, Bucharest, Romania

10<sup>15</sup> - 10<sup>30</sup>

*Optimal Dynamic Decision of Firm in a Market Economy* - A. Andrei,  
Academy of Economic Studies, Bucharest, Romania

10<sup>30</sup> - 11<sup>00</sup>

B R E A K

**Chairman :**  
Gheorghe Oprescu

**Secretary:**  
Daniel Luca

11<sup>00</sup> - 11<sup>15</sup>

*An Algorithm for Determination Firm's Technological Changes* - A.  
Andrei, Gh. Oprescu, V. Piculescu, Academy of Economic Studies,  
Bucharest, Romania

11<sup>15</sup> - 11<sup>30</sup>

*About some Generators of Pseudorandom Numbers which is Employing  
the Inverse Congruential Method* - T.C. Dosesu, University of  
Bucharest, C-tin Raischi, Academy of Economic Studies, Bucharest,  
Romania

11<sup>30</sup> - 11<sup>45</sup>

*Sur l'amélioration de la précision et de la rapidité des certaines  
méthodes de trouver des solutions avec l'aide de l'ordinateur* - R.  
Militaru, Université de Craiova, Roumanie

11<sup>45</sup> - 12<sup>00</sup>

*Some Developments in Economic Cycles Analysis: Hicks and  
Samuelson's Models* - Gh. Oprescu, M. Zaharia, Academy of Economic  
Studies, Bucharest, Romania

12<sup>00</sup> - 12<sup>15</sup>

*On a Credibility Model* - I. Săcuiu, I. Mircea, Academy of Economic  
Studies, Bucharest, Romania

11  
May 13<sup>th</sup> 1995  
Room 207 C

**Section 7**  
**Expert Systems in Economy**

**Chairman:**  
Ioan Andone

**Secretary:**  
Cornelia Stratulat

8<sup>30</sup> - 8<sup>45</sup>

*A Multiagent Expert System for Personnel Performance Evaluation* -  
Ioan Andone, University "Al.I.Cuza", Iassy, Romania.

8<sup>45</sup> - 9<sup>00</sup>

*A Multi Neural Architecture Controlled by Simulated Annealing* - G.  
Desrocques, S.A.Laribi, J.C. Bassano, Laboratoire d'Informatique  
Fondamentale d'Orléans la Source Orléans, Orléans, France, A. Laribi,  
Centre Universitaire d'Informatique, Université de Genève, Genève,  
Suisse.

9<sup>00</sup> - 9<sup>15</sup>

*Un réseau de neurones pour l'apprentissage supervisé d'une grammaire  
du langage naturel* - Dominique Archambault, J.C. Bassano, Faculté des  
Sciences Université d'Orléans la Source, Orléans, France.

9<sup>15</sup> - 9<sup>30</sup>

*Système expert pour l'enseignement de la nouvelle comptabilité en  
Roumanie* - Pavel Nastase, Mihaela Zezeanu, Academie d'Etudes  
Economique, Bucarest, Roumanie

9<sup>30</sup> - 9<sup>45</sup>

*Expert Systems for Higher Economic Education Assistance* - I.Gh.  
Rosca, Constanta Bodea, Manole Velicanu, Academy of Economic  
Studies, Bucharest, Romania.



9<sup>00</sup> - 10<sup>00</sup>

*Problemes concernant la généralisation des systemes experts dans les activités financières et comptables* - Dinu Airinei, Université "A.I. Cuza", Iassy, Roumanie

10<sup>00</sup> - 10<sup>15</sup>

*Explan - Systeme a base de connaissances pour aider l'entrepreneur dans le développement du plan d'affaire* - Anca Sendrea, Maria Moise, Institut de Recherche en Informatique, Bucarest, Roumanie.

10<sup>15</sup> - 10<sup>30</sup>

*Exman - Knowledge Based System for Managerial Processes* - Maria Moise, Research Institute for Informatics, Bucharest, Romania.

10<sup>30</sup> - 11<sup>00</sup>

B R E A K

Chairman:  
Constanța Bodea

Secretary:  
Cornelia Stratulat

11<sup>00</sup> - 11<sup>15</sup>

*La réceptivité de la comptabilité aux produits de l'intelligence artificielle de type système expert - PIASE* - Alexandru Tugui, Université "A.I. Cuza", Iassy, Roumanie.

11<sup>15</sup> - 11<sup>30</sup>

*Expert Systems in the Domain of Operational Audit* - Eugeniu Diatcu, Hyperion University, Bucharest, Romania, Stefan Kovacs, ICSPM, Bucharest, Romania.

11<sup>30</sup> - 11<sup>45</sup>

*Contributions to the Building of a Tutorial Expert System* - Eugeniu Diatcu, Florin Vlad, Hyperion University, Bucharest, Romania.

11<sup>45</sup> - 12<sup>00</sup>

*Expert Systems for the Prevention of Chemical Risks* - Felicia Decusara, ICSPM, Bucharest, Romania.

12<sup>00</sup> - 12<sup>15</sup>

*The Role of Knowledge Base System in Knowledge Management* - R. W. Schuwer, Eindhoven University of Technology, The Netherlands

May 11<sup>th</sup>, 1995  
Room 205 C

Section 8  
Information Systems

Chairman:  
Ion Lungu

Secretary:  
Gabriel Zamfir

15<sup>00</sup> - 15<sup>15</sup>

*Tendences in Project Accounting and Financial Informating Systems* - Lucia Rusu, Alexandru Rusu, Monica Ciaca, University 'Babes-Bolyai', Cluj-Napoca, Romania

15<sup>15</sup> - 15<sup>30</sup>

*Accounting Information Systems* - Bogdan Ghilie-Micu, Catalin Huidumac-Petrescu - Academy of Economic Studies, Bucharest, Romania

15<sup>30</sup> - 15<sup>45</sup>

*The Computer Assisted Education: Realizations, Problems and Ways of Their Solutions* - Ion Covalenco, Boris Delimarschi - Academy of Economic Studies, Kishinev, Moldova

15<sup>45</sup> - 16<sup>00</sup>

*Computer Assisted Instruction in Higher Economic Education* - Constantin Baron, Gabriel Zamfir - Academy of Economic Studies, Bucharest, Romania

16<sup>00</sup> - 16<sup>15</sup>

*Integration of the Production System Thanks to the Information System* - F. Biennier, P. Coquard, J. Favrel - GRAPS/LISPI INSA de Lyon, France

16<sup>15</sup> - 16<sup>30</sup>

*Contributions to the Interactive Analysis of the Effects of the Delays on the Feedback Loops Behaviour within the Dynamic Economic Systems* - Marian Zaharia, Emil Scarlat, Violeta Piculescu - Academy of Economic Studies, Bucharest, Romania

16<sup>30</sup> - 16<sup>45</sup>

*Automatic System for Documentary Research and Library Management*  
-Sanda Berar, University 'Babes Bolyai', Cluj-Napoca, Romania

16<sup>45</sup> - 17<sup>00</sup>

*Geographical Information System for Designing the Forest Management*  
-Luminita Berechet, Software ITC, Bucharest, Romania

17<sup>00</sup> - 17<sup>30</sup>

BREAK

**Chairman:**  
Nicolae Apopei

**Secretary:**  
Gabriel Zamfir

17<sup>30</sup> - 17<sup>45</sup>

*Computer-Based Information System for Chambres of Commerce in Egypt* - Mohamed Mohamed Refat, Zagazig University, A.R. Egypt

17<sup>45</sup> - 18<sup>00</sup>

*Systems of Assistance in Foreign Business Decisions* - Lascu Ricu, Georgeta Soava, University of Craiova, Romania

18<sup>00</sup> - 18<sup>15</sup>

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