

**Monday, July 30, 2001**

**10:00-16:00**

**Registration Center**

- \* Registration of Participants
- \* Distribution of Conference Materials
- \* Collection of Final Papers

**Monday, July 30, 2001**

**14:00-17:30**

**The Aula**

## **Opening Plenary Session: Keynote Addresses**

Chair: Prof. William Graham, University of Toronto, Canada  
Prof. Greg Andonian, Carleton University, Ottawa, Canada

### **Welcoming Addresses**

by Prof. George E. Lasker, Conference Chairman and  
President of The International Institute for Advanced Studies, Windsor, Ontario, Canada

### **Welcoming Address**

by Dr. Sigrun Lang, The Right Honorable Mayor of Baden-Baden, and the President of the  
International Baden-Baden Foundation for Culture of Peace & the Dialoguer of Civilizations

### **The Meaning of an Information-Centric Computer Environment**

by Prof. Jens Pohl, Director, Collaborative Agent Design Research Center,  
Cal Poly, San Luis Obispo, CA, USA

### **Sublime-Wisdom Towards Higher Level Synergy and Harmony in Human Activities**

by Prof. Ayten Aydin, IIAS, Rome, Italy

### **Virtual Artistry and Subjectivity in Architecture**

by Prof. Greg Andonian, Carleton University, Ottawa, Canada

### **Meaning in Architecture: A Look at Parody and Caricature**

by Prof. Kendra Schank Smith, University of Utah, Salt Lake City, Utah, USA

### **Historical Existence and the End of History: A Transclassical Systems-Theoretical Reflection**

by Prof. Alfred Locker, University of Technology, Vienna, Austria

### **Why Globalization is Incompatible with Democracy**

by Prof. William Graham, University of Toronto, Canada

**The Rise and Fall of Agricultural Biotechnology**

by Prof. E. Ann Clark, University of Guelph, Ontario, Canada

**Tuesday, July 31, 2001**

**09:00-12:00**

**The Aula**

**Conference Plenary Session – (Keynote Addresses)**

Chair: Prof. Otto E. Roessler, University of Tuebingen, Germany

Prof. William Graham, University of Toronto, Canada

**On the Topology of Primate Vision**

by Prof. Gerhard X. Ritter, University of Florida, Gainesville, FL, USA

**A Brief History of the Three Stages of Science: The General Theory of Evolution**

by Dr. Donald O. Rudin, IIAS, Annapolis, MD, USA

**Human Ontogenetics from the Point of View of General Systems Theory –  
A Strategy Proposal for a Century's Project**

by Prof. Alfred Locker, University of Technology, Vienna, Austria

**New Trends in Systems Science as a Consequence of Peculiar Links  
Between Several Mathematical Tools**

by Prof. Thiebaut Moulin, E.N.S.T.A., Paris, France

**A Mildly Improved Lorentz Transformation**

by Prof. Otto E. Roessler, University of Tuebingen, Germany

**Maquette and the Divine**

by Prof. Albert C. Smith, University of Utah, Salt Lake City, Utah, USA

**Contribution to the Theory of General Modeling – Psychological Aspects of Sciences**

by Dr. Domenica B. Turkiewicz, Queensland Institute of Medical Research, Brisbane, Australia

and by Dr. Ing. Kazimierz Turkiewicz, Independent Research Scientist, Brisbane, Australia

**Universal Liberty and/or Requisite Variety Sustainability Paradox**

by Prof. Gary Boyd and Vladimir Zeman, Concordia University, Montreal, Canada

**FESTIVE RECEPTION**

**Hosted by the Right Honorable Mayor of Baden-Baden  
will be held on  
Tuesday, July 31, 2001, at 19:00  
at the Old City Hall of Baden-Baden.  
All Conference Participants and their Companions  
are cordially invited**

**Tuesday, July 31, 2001**

**14:00-16:00**

**Hall A**

**Symposium on Systems Research in the Arts**

Chairs: Dr. James Rhodes, School of Sciences and Mathematics, Shorter College, USA,  
and Prof. Jane Lily, Interior Design, Lamar Dodd School of Art,  
Univ. of Georgia, USA

**Pre-Symposium Interactive Workshop:**

**A Person-Music System at Work**

Africa by Dr. Gertina van Schalwyk, Department of Psychology,  
University of Pretoria, South Africa

The workshop involves participants in a people-music whole system and joins the concepts of music, art and space in the exploration of multiple research realities. The workshop takes place in three phases:

1. The participants are given an unstructured drawing task, which they are to complete in total darkness while listening to pre-recorded music
2. The same piece of music is played again, this time in illuminated room, and participants are asked to write down whatever words, images or feelings occur to them through a process of free association.
3. Participants engage in an unstructured group discussion about their experiences during the administration of the technique. During this phase, a facilitator encourages self-disclosure by posing open-ended questions and participants will, together with the facilitator/researcher, explore the research model proposed in the

paper presentation.

Tuesday, July 31, 2001

09:00-12:00

Hall B

**Symposium on Learning and Adaptation in Stochastic and Statistical Systems**

Chair: Dr. Alexandru Murgu, University of Jyvaskyla, Jyvaskyla, Finland

**Knowledge-Aided measurement Techniques for Metrological Analysis in Hydrophysics**

by Dr. I. Brusakova, St. Petersburg Electrotechnical University, Russia

**Peculiarities of Polynomial Approximation in Experiments with Heterogeneous Systems**

by Dr. Y. V. Chebrakov, St. Petersburg Technical University, Russia

**Recovering Adequacy of Fitting Models in Describing the Behavior of Heterogeneous Systems**

by Dr. Y. V. Chebrakov and Dr. V. V. Shmagin,  
St. Petersburg Technical University, Russia

**Delay Time for KWTN Neural Network**

by Prof. C. A. Marinov, Polytechnic University of Bucharest, Romania,  
Prof. B. Calvert, University of Auckland, New Zealand, and  
Mr. V. Bucata, Polytechnic University of Bucharest, Romania .

**Backward Learning in Control Systems by Classification Using Dynamic Programming**

by Dr. Alexandru Murgu, University of Jyvaskyla, Jyvaskyla, Finland

**Information Conditioning Adaptation for Maximum Likelihood Mean Learning**

by Dr. Alexandru Murgu, University of Jyvaskyla, Jyvaskyla, Finland

**Application of Joint Processing for Different Types of Data in Intelligent Systems**

by Dr. V. N. Romanov, North-West Polytechnic Institute, St. Petersburg, Russia

**Application of Fuzzy Logic to Random Process Forecasting for Heterogeneous Data**

by Dr. V. N. Romanov, North-West Polytechnic Institute, St. Petersburg, Russia

**Adaptive Non-Linear Estimation Using the API Approach**

by Prof. I. V. Semoushin and O. Yu Gorokhov,  
Ulyanovsk State University, Russia

**Kalman Filter Identifiability Using API Approach in Control Systems**

By Prof. I. V. Semoushin and Dr. Julia Tsyganova,  
Ulyanovsk State University, Russia

Tuesday, July 31, 2001

09:00-17:30

Hall C

**Symposium on Informatics and Systems Logic (Keynote Addresses)**

Chair: Prof. Michele Malatesta, Univ. Degli Studi di Napoli Federico II, Napoli, Italy  
Prof. Charles B. Balogh, Portland state University, Portland, Oregon, USA

**Uncertain Logics, Variables and Systems (A Special Keynote Address)**

by Prof. Z. Bubnicki, Institute of Control and Systems Engineering,  
Wroclaw University of Technology, Wroclaw, Poland

**A Formal System to represent Social Norms**

by Prof. Charles B. Balogh and Prof. Maria E. Balogh,  
Portland State University, Portland, Oregon, USA

**Compatibility of Ethics and Economy in the Light of Lorentz Equations**

by Dr. Arturo Graziano Grappone, METALOGICON, Rome, Italy

**The Significance of Hume's Law in the Representation of Societal changes**

by Prof. Charles B. Balogh and Prof. Maria E. Balogh,  
Portland State University, Portland, Oregon, USA

**Fuzzy Petri Nets as Linguistic Models of Dynamic Systems**

by Prof. Felipe Lara-Rosano, Centro de Instrumentos,  
National University of Mexico (UNAM), Mexico D. F., Mexico

**A Perplex Logic of Emergence for Biological and Medical Sciences**

by Prof. Jerry L. R. Chandler, Krasnow Institute for Advanced Studies,  
George Mason University, McLean, VA, USA

**Classical Logic as Infinitary Extensions of Logical Square**

by Prof. Michele Malatesta, Universita Degli Studi di Napoli Federico II, Napoli, Italy

**Truth -Values in Vectorial Logic**

by Dr. Jorge Carrera, National University of Mexico, (UNAM),  
Mexico D. F., Mexico

Tuesday, July 31, 2001

09:00-13:00

Hall D

## **Special Focus Symposium on Collaborative Decision-Support Systems**

Chair: Prof. Jens Pohl, Exec. Director, Collaborative Agent Design (CAD) Research Center,  
California Polytechnic State University, San Luis Obispo, California, USA

### **Risk Assessment in the Business Acquisition Process: A Case Study**

by Profs. Lawrence S. Aft, Richard Halstead-Nussloch and John Heathcock,  
Industrial Engineering Technology Department,  
Southern Polytechnic State University, Marietta, Georgia, USA

### **A Soil Bioengineering Decision Support System**

by Drs. Pedro Gamito and Andy Hamilton,  
Research Center of Construction and Property Management,  
The University of Salford, United Kingdom

### **Conceptual Integrated Model to Preserve/Remove Façade Plaster in Historical Buildings**

by Dr. Antonella Petrai, The Netherlands

### **A Computer Intelligent Agent for Semantic Classification of E-mail Messages**

by Prof. Vladimir A. Fomichov and Dr. I. V. Lustig, Department of Information Technologies,  
K. E. Tsiolkovsky Russian State Technological University and  
Moscow State Institute of Electronics and Mathematics, Russia

**BREAK 10:45-11:00**

### **Automating the Collaborative Decision Making Process in Software Project Planning**

by Dr. Rory O'Connor, Dublin City University, Ireland

### **Pattern Generating Mechanisms in Complex Adaptive Systems**

by Prof. Ansgar Killing, Stuttgart, Germany

### **Knowledge Management for Multi-Lifecycle Engineering**

by Profs. Franz Kurfess and Leon Jololian, California Polytechnic State University,  
San Luis Obispo, CA, USA

### **Perception of the Effects of I.T. on Staff: Observed Differences Between the Outcomes of Studies in the Construction Industry**

by Prof. Paul Clarke, University of Technology, Sydney, and  
Dr. John Clarke, University of Sydney, Australia

Tuesday, July 31, 2001

09:00-17:30

Hall E

**Special Focus Symposium on Sustainable Development:  
Theories, Strategies and Global Governance Systems**

Chair: Prof. Kensei Hiwaki, Tokyo International University, Kawagoe, Saitama, Japan

**Sustainability of Humanity**

by Prof. Otto E. Roessler, University of Tuebingen, Germany

**Sustainable Development: Essential for an Integrated Approach**

by Prof. Kensei Hiwaki, Tokyo International University, Kawagoe, Saitama, Japan

**Sustainable Development: Cultural Approach**

by Prof. Thaddeus J. S. Mallaya, Technical University of Brno, Czech Republic

**Sustainable Development: A Need for Comprehensive Human Approach**

by Prof. Ashok Kaul, Banaras Hindu University, Varanasi, India

**On Creating the Regime for the Global Sustainability**

by Prof. Joonho Kim, Tokyo International University, Kawagoe, Saitama, Japan

**LUNCH BREAK 12:00 – 14:00**

**The Internet, Home-Based Mental Training and Sustainable Development**

by Dr. Torben Larsen, health Economist, Odense SV, Denmark

**Cognitive Foundations of Compensating Negative Influence of Computers  
on the Young Generation**

by Dr. Olga Fomichova, Moscow Children & Teenagers Palace for Creative Work,  
Prof. Vladimir Fomichov, Lomonosov Moscow State University, and  
Dr. Lioudmila D. Oudalova, Retired Senior Researcher, Moscow, Russia

**Strategy Parameters of Globalization Management**

by Prof. Wiktor Adamkiewicz, Technical University of Gdansk, and Gdynia Maritime Academy,  
Gdynia/Gdansk, Poland

**Anticipatory System and Sustainability of Business Systems**

by Prof. Miroslav Rebernik, and Prof. Vojko Potocan,  
University of Maribor, Maribor, Slovenia

**Global Information Systems: Assessment and Efficiency**

by Prof. Milos Koch and Prof. Karel Rais,  
Technical University of Brno, Czech Republic

**Approaching the Sustainable Organization**

by Prof. Jozica Knez-Riedl, Prof. Matjaz Mulej, and Prof. Zdenka Zenko,



University of Maribor, Maribor, Slovenia

Wednesday, August 1, 2001

09:00-17:00

The Aula

**Plenary Session and a Special Focus Symposium on Celtic Civilization:  
Important Implications to Today's European and Global Issues**

Chair: Prof. Kensei Hiwaki, Tokyo International University, Kawagoe, Saitama, Japan

**The Interactive Classroom in a Global Environment:**

**Exploring Video Conferencing as a Learning Tool for Home-Bound Studies**

by Prof. Winfried K. Rudloff, Governor State University, Univ. Park, IL, USA

**ERP Systems in Universities**

by Prof. John Hiller, University of New South Wales, Sydney, Australia

**The Information System Design for Sustainable Regional Planning**

by Prof. Masao Hijikata, Waseda University, Tokyo, Japan

**The International Mathematical Olympiad – Another Case of the Intellectual Olympics**

by Prof. Akira Ishikawa, Aoyama Gakuin University, Tokyo, Japan, and  
The ICC Institute, the University of Texas, Austin, TX, USA

**Celtic Civilization**

**The Nature of Celtic Gift**

by Prof. Gerard de Zeeuw, University of Amsterdam, The Netherlands,

**Human Rhapsody: Celtic Experience**

by Prof. Ayten Aydin, Civil Engineer, Former UN/FAO Adviser, Rome, Italy

**LUNCH BREAK 12:00-14:00**

**Celtic Civilization and Modern Economics**

by Prof. Kensei Hiwaki, Tokyo International University, Kawagoe, Saitama, Japan

**Ancient Heritage as a Tool for Civilization Development**

by Prof. Wiktor Adamkiewicz, Technical University of Gdansk, and Gdynia Maritime Academy,  
Gdynia/Gdansk, Poland

**The Vision and Form in Celtic Ornament**

by Prof. Mayumi Tsuruoka, College of Letters  
Ritsumeikan University, Kyoto, Japan

Wednesday, August 1, 2001

09:00-17:30

Hall A

## **Symposium on Systems Research in the Arts**

Chair: Prof. Radoslav Zuk, McGill University, Montreal, Quebec, Canada,  
Dr. James Rhodes, School of Sciences & Mathematics, Shorter College, USA and  
Prof. Jane Lily, Interior Design, Lamar Dodd School of Art, Univ. of Georgia, USA

### **Session 1: Music, Environmental Design and the Choreography of Space**

#### **LISTEN: A New Multi-Sensory Form of Content**

by Dr. Gerhard Eckel, GMD – German National Research Center for Information Technology

#### **Composing Space: The Integration of Music, Time and Space in Public Art**

by Dr. Robert Coburn, Professor and Chair of Music Theory and Composition,  
Conservatory of Music, University of the Pacific, USA

#### **Architecture-Dance Collision Project**

by Prof. Monika Koeck, College of Architecture, University of Oklahoma, USA  
and Prof. Richard Koeck, College of Architecture, University of Oklahoma, USA

#### **A Walk Through Tonal Space: Charting the Establishing of the Key of a Melody**

by Prof. Elaine Chew, Integrated Media Systems Center, Department of Industrial  
and Systems Engineering, University of Southern California, USA

### **Session 2: Music, Environmental Design and the Choreography of Space**

#### **Music in Medicine: New Ways to Link Body with Mind Among Emerging Technologies**

by Dr. Nils-Goran Sundin, University of Jyväskylä and Collegium Europaeum,, Sweden

#### **A Language of Design Using Personality Theory**

by Jennifer Madden, Department of Landscape Architecture,  
University of California at Davis, USA

#### **Joining Music, Art and Space in a Person-Music Interactive System: A Systems Approach**

by Dr. Gertina van Schalkwyk, Department of Psychology,  
University of Pretoria, South Africa

#### **Soundscapes of Archetypal Space**

by Prof. Jane Lily, Interior Design Department, University of Georgia, USA, and  
Dr. James Rhodes, School of Sciences and Mathematics, Shorter College, USA

#### **A Simple Gift: The Music and Architecture of the Shaker Village at Pleasant Hill**

by Dr. Vicki Bell, Music Theory Dept., Asbury College, USA

Wednesday, August 1, 2001

09:00-17:00

Hall B

## **Symposium on Knowledge Based Systems and Expert Systems**

Chairs: Prof. Vladimir Marik, Technical University of Prague, Czech Republic,  
Prof. Maria and Charles Balogh, Portland State University, Portland, Oregon, USA

### **Belief and Truth**

by Dr. Hanns Sommer, University of Kassel, Kassel, Germany

### **Estimation of Models for expert Systems**

by Dr. Marjan Druzovec, Faculty of Mechanical Engineering, University of Maribor, Slovenia and  
Prof. Tatjana Welzer, Faculty of Electrical Engg. & Computer Science, Univ. of Maribor, Slovenia

### **Similarity Search of Reusable Database Components Using Data Mining Techniques**

by Prof. Tatjana Welzer, Dr. Bostjan Bruman, Dr. Marjan Druzovec, Univ. of Maribor, Slovenia,  
and Dr. Ivan Rozman, Tampere University of Technology, Pori,

### **Fuzzy Inductive Reasoning in the Context of Knowledge Discovery and Data Mining**

By Prof. Angela Nebot, Universitat Politecnica de Catalunya, Barcelona, Spain, and  
Dr. Francisco Mugica, Instituto Politecnico Nacional, Mexico D.F., Mexico

### **Sample-Based Performance Assessment of Learning Algorithms**

by Dr. Bostjan Brumen & Prof. Tatjana Welzer, University of Maribor, Slovenia, and  
Dr. Hannu Jaakkola & Dr. Isidor Golob, Tampere University of Technology, Pori, Finland

### **How to Evaluate the Complexity of Software Processes**

by Dr. Romana Vajde Horvat & Dr. Ivan Rozman, University of Maribor, Slovenia

### **An Expert System for Fuel Injection Engine Fault Diagnosis**

by Dr. Eugenio Lopez-Ortega & Dr. Felipe Lara-Rosano, Natl. Univ. of Mexico, UNAM, Mexico

### **Programming in Logic and Inter-Lingual Knowledge Transfer**

by Ray Smilgius and Prof. Winfried K. Rudloff, Governors State University, IL, USA

### **Exploration of Social Knowledge in Coalition Formation**

by Prof. Vladimir Marik, Michal Pechoucek, Jiri Barta, Technical University of Prague, Czech Republic

### **Efficiency of Communication Between Software Agents in Distributed Information System**

by Dr. Aleksander Zgrzywa, Wroclaw University of Technology, Wroclaw, Poland

### **Assembly of Security Policy in a Process of Integration of a Set of Corporate Systems**

by Dr. Wojciech St. Moscibrodzki, Technical University of Gdansk, Gdansk, Poland

### **Numerical Experiments with Fractals Generated by Parameters Modulated Generators**

by Dr. Ing. Ladislav Lucas, University of West Bohemia, Pilsen, Czech Republic

### **The Use of Mathematical Modeling in Fuzzy Classification**

by Ing. Mikulas Gangur & Dr. Miroslav Plevny, University of West Bohemia, Czech republic

### **Possibility for Extending Electronic Media with a Sense of Immediate Reality in their Applications**

by Prof. Takao Ichiko, Yamagata National University, Yonezawa City, Japan

Wednesday, August 1, 2001

09:00-17:30

Hall C

**Symposium on Advanced Concepts for Intelligent Vision Systems: ACIVS-2001**

Chairs: Dr. Jacques Blanc-Talon, CTA/GIP, Arcueil, France & Dr. Dan Popescu, CSIRO, Canberra, Australia

**SESSION A: VISION SYSTEMS AND SCENE UNDERSTANDING**

**Adaptive Classification for ROI-Selection in Image Sequences**

by B. Bargel, K.-H. Bers, G. Schwan

**Facet Based Image Processing and Representation**

by A. V. Michtchenko

**Evolving Motricity in Particle-Based Model**

by B. Stanciulescu, J.-L. Florens, J. Louchet, A. Luciani

**A Real Production Vision System for Aggregates and Froth Quality Control**

by W. X. Wang & O. Stephanson

**CAD Based Vision for Guiding a Mobile Robot**

by M. Ayromlou, W. Ponweiser, C. Beltram, O. Madsen, M. Vincze, A. Gasteratos.

**Object Detection and Feature Extraction for the Recognition of Real world Images**

by Haomin Jin

**A Generic Environment for the Evaluation of Vision Systems**

by J. Blanc-Talon & V. Ropert

**SESSION B: PATTERN RECOGNITION**

**Robust Human Detection and Segmentation Using Prototype Based Deformable Templates**

by L. Li & K. H. Leung

**3D Shape Modeling by Multilayer Network**

by I. Kumazawa & M. Ohno

**A New Neural Network Based Colour Shape from Shading Methodology**

by T. W. S. Chow & S.-Y. Cho

**SESSION C: VIDEO PROCESSING, SURVEILLANCE AND IMAGE SECURITY**

**Image Scrambling Using an Optimal Basis with Isotropic Energy Concentration**

by D. V. D. Ville, W. Philips, I. Lemahieu

**Content Based Image Matching Using Gabor Filtering**

by V. Kyrki, J.-K. Kamarainen, H. Kalvianen

**Reduction of the Number of Domain Blocks Enroled in a Domain Pool for Fractal Image Coding**

by H. Kuroda, K. Imamura, Y. Tanak, M. Fujimura, Y. Wang

**Suspicious Human Action Detection for Video Surveillance**

by L. Li & M. H. Leung

**Finding Initial Estimates of Face Location in Color Images** by T. S. Caetano & D. A. C. Barone

Wednesday, August 1, 2001

09:00-16:00

Hall D

**Focus Symposium on Virtual Reality & Hi-Tech in Architecture**

Chair: Prof. Greg Andonian, Carleton University, Ottawa, Canada

Co-Chair: Prof. Liza Medek, IRAP, National Research Council, Canada

**Two Bodies and Two Minds: Architecture and Dweller – Keynote Address**

by Prof. Greg Andonian, School of Architecture, Carleton University, Ottawa, Canada

**Introducing Form Syntax as a Digital Tool for Design Dialectics**

by Newton D'Souza & David Chou-Shulin, The National University of Singapore, Singapore

**Development of a J2EE Application System for Automated Building Design**

**Conformance Checking**

by Q.Z. Yang, X.J. Xu, J.P. Sun and Xiang Li, Gintic Institute of Manufacturing Technology, Singapore

**Robots of Architectural Skeleton**

by Prof. James T. J. Wang, University Of British Columbia, Vancouver, B.C., Canada

**Prospects of Architectural computing: Speculation Based on a Taxonomy of Design Representation**

by Dr. Per Galle, Department of Civil Engineering, Technical University, Lyngby, Denmark

**A Study of Rules Producing in Layout Design: A Genetic Algorithm Approach**

by Kuo-Chung Wen, Chinese Culture University, Taipei, Taiwan

**A Virtual Architect – A Toy or a Tool**

by Dr. Adam Gorczyca, Faculty of Architecture, Warsaw University of Technology, Warsaw, Poland

**Audio-Augmented Architecture**

by Dr. Gerhard Eckel, GMD, Institute for Media Communication, St. Augustin, Germany

**Virtual Reality in Architecture Vs. Architecture in Virtual Reality: A Critique**

by Mulari Paranandi & Tina Sarawagi, Miami University, Oxford, Ohio, USA

**Nanometrics in Architecture**

by Prof. Liza Medek, Industry Technology Advisor, IRAP, National Research Council, Canada

Wednesday, August 1, 2001

09:00-10:30

Computer Laboratory

**Special Focus Symposium on World Wide Web as Framework for Collaboration**

Chair: Prof. Thomas Fowler, IV, Cal Poly, San Luis Obispo, California, USA

**Degrees on Line – Risk Assessment**

By Prof. Lawrence S. Aft & Richard Halstead-Nussloch, Southern Polytechnic State University, USA

**Web Virtual Reality Based Space Information System**

By Prof. Yong-seong Kim & Prof. Suktaz Kim, Kookmin university, Seoul, Korea

**Principles of Semantic Search for Information on the Web by the Intelligent Agent LingSearch-1**

By Prof. Vladimir A. Fomichov & A. A. Kochanov,  
K. E. Tsiolkovsky Russian State Technological University, Moscow, Russia

Wednesday, August 1, 2001

09:00- 17:30

Hall H

**Symposium on Health, Healing and Medicine - (Keynote Addresses)**  
**Special Focus Session on Informational and Bio-Energetic Medicine**

Chair: Prof. Dr. med. Helmut Sauer, Director, IIAS, Waldbronn-Reichenbach, Germany,  
and

Prof. Julia Tsuei, MD, President, Foundation for East-West Medicine, Taipei,  
Taiwan

**Information Medicine: Myth or Reality**

by Prof. Julia J. Tsuei, M.D., Foundation for East-West Medicine, Taipei, Taiwan

**Basic Principles of Microinteractionism & Energetic Restoration in Information Medicine**

by Prof. Dr. Inga Kraetli, President, Collegium Humanum, Switzerland

**The Clinical Possibility of Informational Medicine**

by Prof. Kuo-Gen Chen, Ph.D., Soochow University, Taipei, Taiwan, R.O.C.

**Regulation Medicine: Reflection on Different Kind of Healing**

by Prof. Dr. med. Helmut Sauer, Director, IIAS, Waldbronn-Reichenbach, Germany

**Some Aspects of Prenatal Diagnostics**

by Prof. Dr. Tatjana Marik, M.D., Charles University, Prague, Czech Republic

**LUNCH BREAK 12:00-14:00**

**The Quantum Mechanical Human Body – BioResonance as an Instrument to  
Harmonize Energy Transmission in the Human Body**

by Prof. Dr. Alfred Roessle, N.D., Vice-President, Collegium Humanum, Switzerland

**Systems Framework for Synergistic Informational Medicine**

by Prof. Dr. George E. Lasker, IIAS, and University of Windsor, Canada

**Design Issues in the Construction of Intercommunicating Therapies  
for Informational Medicine**

by Prof. Jerry L.R. Chandler, Ph.D., Krasnow Institute for Advanced Studies,  
George Mason University, McLean, VA, USA

**Infrared Regulation Thermography: An Approach to Breast Cancer Prevention**

by Prof. Dr. med. R. Berz, Director of Health Care, Daimler-Chrysler, Ulm, Germany

**Antologous Therapies – A Special Form of Energetic Healing**

by Prof. Dr. med. Helmut Sauer, Director, IIAS, Waldbronn-Reichenbach, Germany

**Laser Scanning Cytometry (LSC): Minimal Input – Maximum Outcome**

by Marcus Rojewski, Freie Universitaet Berlin, Germany

## **DISCUSSION**



**Thursday, August 2, 2001**

**09:00-16:00**

**The Aula**

**5<sup>th</sup> INTERNATIONAL SYMPOSIUM ON CULTURE OF PEACE  
AND THE DIALOGUE OF CIVILIZATIONS FOR THE 3<sup>RD</sup> MILLENNIUM**

**ART AND SCIENCE IN THE SERVICE  
OF PROMOTING PEACE CONSCIOUSNESS**

Chairs: Prof. Ayten Aydin, Former Senior Advisor to UN/FAO, Rome, Italy  
Prof. Harry Schwarzlander, Syracuse University, Syracuse, NY, USA

**Online Education: A Cultural Change Process Through Co-operation**

by Prof. Denis Edgar-Nevill, Associate Dean of Postgraduate Studies;  
University of Lincolnshire & Humberside, Lincoln, United Kingdom

**Science and Art Interaction in a Purposeful Process**

by Prof. Ayten Aydin, Former Senior Advisor to UN/FAO, Rome, Italy

**Art, the Senses and Peace**

by Dr. Hiltrud Schinzel, IIAS, Duesseldorf, Germany

**Exchange Value and Entertainment**

by Prof. Dr. Karel Boullart, University of Gent, Belgium

**Global Meets Local: Contradiction and Compromise of Values in the Built Environment**

by Prof. Brian R. Sinclair and Asli Ceylan Oner, Ball State University, Muncie, Indiana, USA

**Expression of Fairness and Cooperation Among Sixth Grade Primary Students**

by Maria Guadalupe Velezquez-Guzman, M.E., Universidad Pedagogica Nacional, Mexico

**LUNCH BREAK 12:00-14:00**

**Cultures as Systems: The Basis for Designing a Culture of Peace**

by Prof. Robert J. Taormina, Ph.D., University of Macau, China

**The Process Approach**

by Prof. Harry Schwarzlander, Syracuse University, Syracuse, NY, USA

**Predicaments for Peace as Intercultural Phenomenon –**

**Tolerance and Lack of Xenophobia as Criteria**

by Prof. Dr. Alfred Locker, University of Technology, Vienna, Austria

**Threats to Democracy at the Quebec City FTAA Summit**

by Prof. William Graham, IIAS and The University of Toronto, Canada

**The Universal Sustainability-Responsibility versus Liberty Paradox**

by Prof. Garry Boyd, Ph.D. and Prof. Vladimir Zeman, Ph.D., Center for Systems Research and Knowledge Engineering, Concordia University, Montreal, Quebec, Canada

**Thursday, August 2, 2001**

**09:00-16:00**

**Hall A**

**Symposium on Systems Research in the Arts**

Chairs: Dr. James Rhodes, School of Sciences & Mathematics, Shorter College, USA,  
Prof. Jane Lily, Interior Design, Lamar Dodd School of Art, Univ. of Georgia,  
USA

**Session 3: Concurrent Experience**

**Objects, Images, and Music**

by Prof. Prasad Boradkar, School of Design, Arizona State University, USA,  
Prof. Mookesh Patel, Graphic Design, Arizona State University, USA, and  
Dr. Nabeel Zuberi, Film and Media Studies, University of Auckland, New Zealand

**Filmic Re-Descriptions of Space**

by Prof. Wanda Dye, College of Architecture, Georgia Institute of Technology, USA

**The Integrity of Personal and Decorated Space On and Off Stage**

by Joann Wilson, Interior Design, Utah State University, USA, and  
Polly Richman, English Language Institute, University of Utah, USA

**Serial Composition With Shapes**

by Dr. Athanassios Economou, Georgia Institute of Technology, USA

**Session 4: Sound and Space**

**Diffusion as Performance**

by Dr. John Dack, Center for Electronic Arts, Middlesex University, United Kingdom

**Straw Bales: Structural Elements With Acoustical Properties**

by Abigail Williams, University of Georgia, USA

**When the Fingers Dance**

by Dr. Pauli Laine, Nokia Research Center, Finland

**Thursday, August 2, 2001**

**17:00-19:00**

**The Aula**

## **AWARD CEREMONY**

**In recognition of excellence and to honor meritorious achievements,  
distinguished service and outstanding scholarly contributions  
of our colleagues  
who have been nominated and selected by the Award Committee  
for the year 2001 Awards**

Thursday, August 2, 2001

09:00-16:00

Hall B

**Symposium on Innovative Management – (Keynote Addresses)**

Chairs: Prof. Sophia Langley, CARMA Limited, Leeds, U.K., and IIAS, Windsor, Canada,  
Prof. Don O. Koval, University of Alberta, Edmonton, Alberta, Canada

**Professional and Personal Values: Marketing Students Versus Marketing Executives**

by Prof. Alfred J. Hagan, Pepperdine University, Prof. Pamela I. Hall, Western Washington Univ.,  
Prof. John C. Rogers, Cal Poly, and Prof. Terrell G. Williams, Western Washington University, USA

**Workflow Analysis and Tool Design for the Coordinated Management of Risk  
Across Large Multi-Site Organizations.**

by : Prof. Sophia Langley, CARMA Limited, Leeds, U.K., and IIAS, Windsor, Canada, and  
Prof. Peter Jarratt, University of Birmingham, Edgbaston, United Kingdom

**Balance Score Card as an Innovative Management Tool**

by Dipl. Ing. Bernhard Boehrer, ASP GmbH, Buchen, Germany

**Impact of Society's Costs of Electrical Energy Utilization  
due to Volatile Deregulated Energy Prices**

by Prof. Don O. Koval, University of Alberta, Edmonton, Alberta, Canada, and  
Lou Hiemer & Thomas Bor, Public Works & Government Services Canada, Edmonton, Alberta, Canada

**Variety Capturing and Transfer in Hierarchical Economic Steering Models  
of Industrial Processes.**

by Prof. John Fogelholm, Ph.D., Helsinki University of Technology, Hut, Finland

**LUNCH BREAK 12:00-14:00**

**Reliable Solutions for Managing the Information  
in Company's Intranet & Extranet Environments**

by Dr. Wojciech St. Moscibrodzki, Technical University of Gdansk, Poland

**A Sample of Security Policy in a Process of Integration of a Set of Corporate Systems**

by Dr. Wojciech St. Moscibrodzki and Prof. Bogdan Wiszniewski,  
Technical University of Gdansk, Poland

**A Data-Warehouse Based ALM System**

by Prof. Samo Bobek, Heri Spicka and Simona Sternad, University of Maribor, Slovenia

**The Price Consideration on Internet Marketing**

by Mr. Whe Dar Lin, The Overseas Chinese Institute of Technology, Taichung, Taiwan, R.O.C.

**Significance of Evaluating Industrial Power System Reliability  
in a Changing Energy market Environment**

by Prof. Don Koval, Prof. John Salmon, Liang Jiao, Xinlei Zhang,  
University of Alberta, Edmonton, Alberta, Canada

**On Some Aspects of Globalization Management**

by Prof. Dr. Wiktor H. Adamkiewicz, Technical University of Gdansk, and  
Gdynia Maritime Academy, Gdynia/Gdansk, Poland

**Thursday, August 2, 2001**

**09:00-17:00**

**Hall C**

**Symposium on Advanced Concepts for Intelligent Vision Systems – (ACIVS-2001)**

Chair: Dr. Jacques Blanc-Talon, CTA/GIP, Arcueil, France &  
Dr. Dan Popescu, CSIRO, Canberra, Australia

**SESSION A: TUTORIAL**

**SESSION B: PATTERN RECOGNITION**

**The Computational Algorithm for Solving Jigsaw Puzzles**

by F.-H. Yao, G.-F. Shao, H. Yamada, K. Kato

**Reduction of Bias by Imposing Arc Length Constraint in Ellipse Fitting**

by P. Peron & D. Dufresnois

**A Three-Component Method for Shape-Based Image Retrieval**

by D. Adjeroh & M. Brown

**Texture Image Classification Using Discrete Multi-Wavelet Transform and Fuzzy Neural Network**

by S. Li, Y. Wang, and B. Lohmann

**LUNCH BREAK 12:00-14:00**

**SESSION D: IMAGE PROCESSING**

**Image Magnification with Multi-Resolution Analysis**

by F. Nicolier & F. Truchetet

**A 2D Filter Specification for Sonar Image Thresholding**

by I. Quidu, J. Ph. Malkasse, G. Burel, and P. Vilbe

**A New Measure of Image Enhancement**

by S. S. Aghaian, K. P. Lentz and A. Grigorian

**Noise Reduction in Mammographic Images Using Adaptive Neighborhood Contrast Enhancement**

by V. H. Guis, M. Adel, M. & G. Rasigni, B. Seradour and P. Heid

**A Wavelet Multi-Fractal Formalism for Edge Detection**

by Z. Wan and G. Cheng

**A Model-Based Image Segmentation Framework Using Labeled and Unlabeled Data**

by J. L. Chen and S. R. Gunn

# **Image Processing in Two-Layer Coupled Map Lattices**

by V. I. Nekorkin and V. B. Kazantsev

Thursday, August 2, 2001

08:00-17:00

Hall D

Special Focus Symposium on  
Decision Technology and Intelligent Information Systems

Chair: Professor Kurt J. Engemann, Iona College, United States

**Integrating Success Factors and Group Attitudes into the Valuation of a Company**

by Dr. Matthias Amen, University of Bern, Berne, Switzerland

**Information Fusion in Group Support Systems using the Power Average**

by Professors Kurt J. Engemann, Iona College, New Rochelle, NY, USA

Holmes E. Miller, Muhlenberg College, Allentown, PA, USA

Ronald R. Yager, Iona College, New Rochelle, NY, USA

**The Standardization of Business Decision-Making Between Holism and Entanglement**

by Professors Vojko Potocan, Matjaz Mulej, and Stefan Kajzer, University of Maribor, Slovenia

**Intelligent Information Systems for Visual Data Understanding and Analysis**

by Professors Ryszard Tadeusiewicz and Marek Ogiela, University of Mining and Metallurgy, Krakow, Poland

**XML Based CPM/PERT Models**

by Professor Jerzy Letkowski, Western New England College, Springfield, Massachusetts, USA

**Using Generic Project Models to Aid Decision Making**

by Dr. Rory O'Connor, Dublin City University, Ireland

and Dr. Mark Johnston, PeopleSoft Inc. USA

**Intelligent Agents in B2C Direct Marketing**

by Professor Giampiero Beroggi, Delft University of Technology, Delft, Netherlands

and Professor Penny Spring, University of Groningen, Netherlands

**Capability versus Inclination: Employee Utilization of Available Technology**

by Professor Gayle Porter, Rutgers University, Camden, NJ, USA

**Time Delay Estimation OF BAEPs Using Simulated Annealing**

by Professors A. Nait-Ali, N. Cherrid, P. Siarry, and JF. Motsch, University of Paris, France

**Selecting E-commerce Project Portfolios**

by Professor Holmes E. Miller, Muhlenberg College, Allentown, PA, USA

Professor Kurt J. Engemann, Iona College, New Rochelle, NY, USA

Thursday, August 2, 2001

08:00-17:00  
(continued)

Hall D

## Special Focus Symposium on Decision Technology and Intelligent Information Systems

Chair: Professor Kurt J. Engemann, Iona College, United States

### **Solving Imprecise Discrete Multiattribute Problems under Risk based on Interactive Simulated Annealing**

by Professors Sixto Rios-Insua, Antonio Jimenez and Alfonso Mateos, Madrid Technical University, Spain

### **The Impact of Business-to-Business Exchanges on Supply Chain Management: The Purchaser's View**

by Professor Markus Biehl, York University, Toronto, Canada

### **Artificial Intelligence and Emotional Intelligence: In which Environments do Decision Support Systems Thrive?**

by Dr. Iva Smit, E&E Consultants, Inc., Netterden, The Netherlands

### **Neuro-Fuzzy Economic Policy Modeling and Simulation By Genetic Algorithm**

by Professor Yukio Ito, Osaka University of Economics, Japan

### **Investment and Risk Management of Proactive as against Reactive Network Maintenance Policy**

by Dr. Markku Penttinen, Finnish Forest Research Institute, Helsinki, Finland

### **Valuation Models for Dot Com Companies**

by Professor Prakesh Dheeriya, California State University-Dominguez Hills, Carson, CA, USA

### **Environmental Knowledge Management Systems: The EcoExplorer System**

by Professor Hans-Knud Arndt, Humboldt University, Berlin, Germany

### **Intelligent Facilitation in Group Decision Support Systems: A proposed architecture and some preliminary findings**

by Professors Georgios Papamichail and Georgios Doukidis, Athens University of Economics and Management, Greece

### **Interactive Economic Policy: Towards a Cooperative Policy Approach for a Negotiated Economy**

by Professor Wolfram Elsner, University of Bremen, Germany

### **Use of OLAP Technology for Optimum Asset Allocation under Uncertainty**

by Professors Nikitas-Spiros Koutsoukis, Triphonas Kyriakis, Gautam Mitra, Brunel University, England



Thursday, August 2, 2001

09:00-16:00

Hall E

## **Symposium on Environmental Systems Research**

Chair: Prof. Simone Bastianoni, Ph.D., University of Siena, Italy

### **The Use of Natural Resources in Anthropic Systems from a Sustainability Viewpoint**

by Profs. F. Pulselli, N. Marchettini, and S. Bastianoni,  
University of Siena, Itali

### **On the sustainability of Electricity Production in Italy**

by Profs. S. Bastianoni, M. P. Picchi, and F. Pulselli,  
University of Siena, Italy

### **A Thermodynamic Framework for a Planning Model**

by Prof. F. Pulselli and Prof. E. Tiezzi,  
University of Siena, Italy

### **Improving the Energy Performance of New Built Dwellings in the United Kingdom by Regulation and Testing**

by Dr. Stephen Todd, University of Salford, United Kingdom

### **FIR Models for Long Term Prediction of Ozone Concentration in Mexico City**

by Drs. Francisco Mugica\*, Angela Nebot\*\* and Pilar Gomez\*,  
\*Centro de Inv. En Ciencia Aplicada y Tec. Avanzada (CICATA), Inst. Politec. Nacional, Mexico,  
\*\*Universitat Politecnica de Catalunya, Barcelona, Spain

### **A Sustainable Play: Social Ecology**

by Prof. Rita Micarelli, Politecnico di Milano, Italy

### **A Sustainable Play: Social Perception of Landscape**

by Prof. Giorgio Pizziolo, Universita di Firenze, Italy

### **The Sowing of Information and the Flowering of Landscape**

by Prof. Vasco Mancini, Florida State University, Tallahassee, Florida, USA

Thursday, August 2, 2001

09:00-16:00

Hall F

## **Symposium and Workshop on Systems Integration**

Program Chairs: Prof. Waltraud Gerhardt, Delft University of Technology, Delft, NL,  
Prof. Chris Zhang, University of Saskatchewan, Saskatoon, Canada  
Prof. Bogdan Czejdo, Loyola University, USA

### **SESSION 1: Re-Engineering and Maintenance**

Chair: Prof. Pat Martin, Queens University, Kingston, Ontario, Canada

#### **Mining Attribute Similarity for Database Re-Engineering**

by Drs. Aziz Barbar and Martine Collard, University of Nice, France

#### **A Conceptual Architecture Proposal for Software Maintenance**

by Drs. Francisco Ruiz, Mario Piattini and Macario Polo, University of Castilla-La Mancha, Spain

### **SESSION 2: Systems Integration I.**

Chair: Prof. Chris Zhang, University of Saskatchewan, Saskatoon, Canada

#### **SI Designer: A Framework to Build an Information Systems Integration**

by Profs. B. Beneventano, S. Bergamaschi, F. Guerra and M. Vicini,  
Universita' di Modena e Reggio Emilia, Italy

#### **Guiding Object-Oriented Schema Integration by Using Structural and Behavioral Specification**

by Profs. M. B. Al-Mourad, W. A. Gray and N. J. Fidian, Cardiff University, United Kingdom

#### **A Generic Framework for the Interoperability of Multiple Heterogeneous Sources in an Opened and Evolutionary Context**

by Profs. C. Rey and M. Schneider, Blaise Pascal University, France

#### **Systems Integration Models**

by Dr. Jiri Vorsek, Prague University of Economics, Prague, Czech Republic

**LUNCH BREAK 12:00-13:30**

### **SESSION 3: Systems Integration II.**

Chair: Dr. Sherman Lang, National Research Council, Canada

#### **Engineering Integrated Methods to Streamline Systems Integration**

by Dr. Ajantha Dahanayake, Delft University of Technology, Delft, The Netherlands

#### **Systems Integration is Equivalent to Process Integration**

by Prof. Dr. Waltraud Gerhardt, Delft University of Technology, The Netherlands

## **Categorization of Business Objects**

by Ir. Mohammed Abolhassani, Delft University of Technology, Delft, the Netherland

Thursday, August 2, 2001

09:00-12:00

Hall H

## **Workshop on Bio-Resonance and Biological Field Treatment**

Conducted  
by  
Dipl.-Ing. Dietmar Helmes  
Managing Director  
Rayonex Schwingungstechnik GmbH, Lennestadt  
Germany

Friday, August 3, 2001

09:00-12:00

Hall H

## **Workshop on Qi and Qi-Gong**

Conducted  
by  
Prof. Dr. Julia J. Tsuei, M.D.  
President  
East-West Foundation  
Taipei, Taiwan, R.O.C.  
&  
Prof. Dr. Kuo-Gen Chen  
Soochow University  
Taipei, Taiwan, R.O.C.

Friday, August 3, 2001

13:00-15:00

Hall H

## **Workshop on Radionics A New Technique in Complementary Medicine**

Conducted  
by  
Peter von Buengner  
Managing Director  
m-tec AG Medizintechnik fuer Naturheilverfahren  
Altkirchen bei Muenchen  
Germany

Friday, August 3, 2001

09:00-15:00

The Aula

## **Symposium and Discussion Panel on Environment and Communication**

Chair: Dr. Brian A. Day, Academy for Educational Development, Washington, DC, USA

### **Environmental Communication: Toward a Model for Policy Adoption**

by Dr. Brian A. Day, Academy for Educational Development, Washington, DC, USA

### **Environmental Interpretation: Translation Across Subsystems**

by Dr. Roberta W. Hilbruner, USAID, and Dr. Brian A. Day, AED, Washington, DC, USA

### **Environmental Education and Communication: Applying Systems Thinking Approach to Earth Systems Education**

by Prof. Sabiha S. Daudi, Ph.D., Ohio State University Extension, OH, USA

### **Creating Sustainable Collectives: Designing Supportive Interfaces**

by Dr. Martha Wahl, Lincoln Research Center Ltd., Lincoln, United Kingdom

### **Communication and Art – Internet Influences**

by Prof. John Hiller, University of New South Wales, Sydney, Australia, and  
Prof. Terry Postero, Buffalo State College, Buffalo, NY, USA

### **Can Autonomous Entities Act on Non-Conscious Meaning in Human Communication? (An Initial Paper on MindSurfer Technology)**

by Dr. Joseph David Carrabis, Chief Research Scientist, AscendantOne, Inc., Nashua, NH, USA

### **What Does the Coming Paradigm Shift in the Delivery of Instruction Mean for the Culture of Public Education**

by Dr. Robert M. Justin, Attorney at Law, Rochester, Michigan, USA

Friday, August 3, 2001

09:00-12:30

Hall A

## **Symposium on Systems Research in the Arts**

Chair: Dr. James Rhodes, School of Sciences and Mathematics, Shorter College, USA, and  
Prof. Jane Lily, Interior Design, Lamar Dodd School of Art, The University of Georgia, USA

### **Session 5: Space and Order**

#### **ETNA – A New Advanced Graphical Tree Representation of Music**

by Wolfgang Chico-Toepfer, Darmstadt, Germany

#### **The Effectiveness of 3-D Computer Animation on Listeners Affetive and Cognitive Responses Towards Contemporary Electronic Space Music Utilizing 3-D (Surround Sound)**

by Prof. Barry Atticks, Program Director of Music Industry, Drexel University, USA

#### **Popping Up the Human Genome**

by Dr. Markus Rojewski, Free University of Berlin, Germany, and

Prof. Terry Postero, State University of New York, College at Buffalo, USA

**Friday, August 3, 2001**

**09:00-15:30**

**Hall E**

## **Internet Education**

Focus Symposium and Workshop  
on

### **Global Cooperation or Global Competition in Education?**

Chair: Prof. Winfried K. Rudloff, Governors State University, Univ. Park, IL. USA

#### **The Interactive Classroom in a Global Environment (Keynote Address)**

by Prof. Winfried K. Rudloff, Governors State University, Univ. Park, IL. USA

#### **Building E-Learning Community in Slovakia – Experience with the Online Education**

by Dr. Ladislav Samuelis and Dr. Frantisek Jakab, University of Technology in Kosice, Slovakia

#### **Exploring High Technology in Education –**

##### **A Report on Graduate Course in Computer Science at the Governors State University**

by: Prof. Winfried K. Rudloff, Governors State University, Univ. Park, IL. USA

#### **Towards an Algorithm Education System on the Web**

by Prof. Hirotsugu Kakugawa and Prof. Tadashi Mori, Hiroshima University, Japan

#### **A Hypertext Platform for the Maintenance/Troubleshooting of the Educational Equipments For the Educational Technologists (Invited Paper)**

by Dr. Kamel Hussein Rahouma, RIST, Salzburg, Austria and Prof. Peter Zinterhof, Head of the Department of Scientific Computing, University of Salzburg, Austria

#### **Basics of Actionism in Advanced Education and Learning Models (Keynote Address)**

by Prof. Inga Kraettli, MD, President, Collegium Humanum, Switzerland

#### **Constructivist Teaching: Overcoming Prejudice in Classroom**

by Profs. Hugh Gash and Mary Shine Thompson, St. Patrick's College, Dublin, Ireland

#### **Expression of Fairness and Cooperation Among Sixth Grade Primary Students**

by Prof. Maria Guadalupe Velazquez-Guzman, National University of Mexico (UNAM), Mexico

**Possibility of Extending Electronic Media  
with a Sense of Immediate Reality in Their Applications**

by Prof. Takao Ichiko, Yamagata National University, Yonezawa City, Japan

**Friday, August 3, 2001**

**09:00-16:00**

**Hall F**

**Symposium and Workshop on Systems Integration**

**SESSION 4: Integration and Enterprise Applications**

Chair: Prof. Pat Martin, Queens University at Kingston, Canada

**The Emerging ISO Standards STEP AP233 –**

**A Key Enabler for Systems Engineering Across Different Domains**

by Dr. Carsten Duesing, Technische Universitaet Clausthal, Germany

**Models for Cooperative Engineering Over the Web**

by Dr. Mikolaj Baszum, Warsaw University of Technology, Poland, and  
Prof. Bogdan D. Czejdo, Loyola University, USA

**Integration of Fuzzy Multidatabase Systems with Incompatible Keys: Entity Identification**

by Z. M. Ma, W. J. Zhang and W. Y. Ma, University of Saskatchewan, Canada and  
City University of Hong Kong, China

**SESSION 5: E-Commerce Aspects**

Chair: Dr. Sherman Lang, National Research Council, Canada

**Integration of Aggregated Attributes in a Data Warehouse**

by Prof. Bogdan D. Czejdo and C. Putonti, Loyola University, USA

**A Visual Language for Development of Information System**

by Prof. Kenneth Messa and Prof. Bogdan Czejdo, Loyola University, USA

**Building Updated XML Views on Top of Relational Databases**

by Prof. Alexei Valikov, Wassili Kazakos, and Andreas Schmidt,

**SESSION 6: Database Aspects**

Chair: Prof. Bogdan Czejdo, Loyola University, USA

**Scheduling Filtered Path-Queries in an Active Object Database**

by Dr. Ivan Szanto, Delft University of Technology, The Netherlands

**Overpass-Crossing Scheme for Digital Signature**

by Prof. Boris S. Verkhovsky, New Jersey Institute of Technology, Newark, USA

**Load Balancing Distributed File System Servers: A Rule Based Approach**

by Dr. Alexandra Glagoleva and Dr. Archana Sathaye, IBM Almaden Research Center, and San Jose State University, USA

**Algorithm for Optimal Multi-Job Time Cost Load Balancing**

by Prof. Boris S. Verkhovsky, New Jersey Institute of Technology, Newark, USA

**Saturday, August 4, 2001**

**10:00-12:00**

**TBA**

**GENERAL ASSEMBLY**

Closing Session

**Saturday, August 4, 2001**

**14:00-15:00**

**TBA**

**MEETING OF THE BOARD OF DIRECTORS**  
of The International Institute for Advanced Studies  
in Systems Research and Cybernetics