

Tuesday, August 2, 2005

9:00 – 17:30

Hall E

**Symposium on Systems Research in Mathematics, Logic, Informatics, AI,
Modeling and Cognition – Keynote Addresses**

Joint Chair: Prof. Michele Malatesta, Univ. degli Studi di Napoli Federico II, Napoli, Italy
Prof. Charles and Maria Balogh, Portland State University, Portland, Oregon, USA

Polyadic Logic: A Calculus

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

Transcultural Pragmatic Logic: Personal Pronoun System in Upriver Halkomelem

by Prof. Michele Malatesta, Univ. degli Studi di Napoli Federico II, Napoli, Italy

Dynamic Logic and Contradictions

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

The Tao of the DNA

by Dr. Anthony C. Jackson, Governors State University, University Park, Illinois, USA

A Formal System to Represent Beliefs and Knowledge

by Profs. Charles B. Balogh & Maria E. Balogh, Portland State University, Portland, Oregon, USA

The Significance of Hume's Law in Belief-Based Systems

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

LUNCH BREAK 12:00 – 14:00

**Analytical Hierarchical Process and Weight Generation
for Inconsistent Interval Comparison Matrices**

by Dr. Ladislav Lukáš, University of Western Bohemia, Pilsen, Czech Republic

Model and Reality: An Example from Classical Mechanics

by Dr. Peter B. Beda, Budapest University of Technology, Budapest, Hungary

Systems Approach to Complex Systems Modelling

by Prof. M. Kljajić, Univ. of Maribor, Faculty of Organisational Sciences, Kranj, Slovenia and
Dr. T. Jere Lazanski, TURISTICA – College of Tourism Studies, Portorose, Slovenia

Study on Loss-Less Coding of Digital Museum Images Using a Spread Image of 3D Object

by Prof. Shigeo Kato and Dr. Madoka Hasegawa, Utsunomyia University, Utsunomyia, Japan

**Consideration of Lecture Video Retrieval System
Using Text Information Generated by Speech Audio**

by Dr. Madoka Hasegawa and Prof. Shigeo Kato, Utsunomyia University, Utsunomyia, Japan

Phonetic Analyzer and Natural Language Processing

by Mr. Prethi Mohan & Prof. Winfried K. Rudloff, Governors State University, Univ. Park, IL, USA