

**TUESDAY AUGUST 2 -WEDNESDAY AUGUST 3
ROOM E**

INTERSYMP 2017

Markgraf-Ludwig-Gymnasium : Hardstraße 2, Baden-Baden

SYMPOSIUM ON

**REVERSIBLE TIME, RETARDATION AND
ANTICIPATION IN QUANTUM PHYSICS,
BIOLOGY AND CYBERNETICS**

Organized and Chaired by Prof. Dr Ir Daniel M. DUBOIS, Centre for
Hyperincursion ad Anticipation in Ordered Systems (CHAOS)

TUESDAY AUGUST 2, 2017 9:00-18:00

Professor Miroljub Kljajić in Memory

Khalid Aboura, University of Dammam, College of Business
Administration, P.O. Box 1982, Dammam 31441, Saudi Arabia

Acceleration Control and Anticipatory Effects in Applied Mechanics

Péter B. Béda, Budapest University of Technology and Economics,
KSK, H-1111 Műegyetem rkp. 1. Budapest, Hungary

Coffee-break

**Practical Consequences of the Duality Between Anticipatory and
Retroactive Systems: Development of Algorithms**

Jorge Carrera-Bolaños, Faculty of Engineering, National Autonomous
University of Mexico, UNAM – IIAS

**Reversible Time, Retardation and Anticipation in Recursive,
Incursive and Hyperincursive Systems**

Daniel M. Dubois, Centre for Hyperincursion and Anticipation in
Ordered Systems (CHAOS), University of Liege, Belgium

TUESDAY : LUNCH: 12:30-14:00

What Exactly is the Global c for an Unsuspecting Physicist?

Otto E. Rossler, Faculty of Science, University of Tübingen, Auf der Morgenstelle 8, 72076 Tübingen, Germany

Reversible Hyperincursive Discrete Schrödinger Quantum Harmonic Oscillator Separable Into Two Non-Reversible Incursive Discrete Oscillators

Daniel M. Dubois, Centre for Hyperincursion and Anticipation in Ordered Systems (CHAOS), University of Liege, Belgium

Solitons in Atomic Nucleus

Domitian G. Popescu, Laboratoire de Physique Théorique Fondamentale en PACA, Retired Nuclear Physicist, former IPN Orsay

Coffee-break

Lorentz Invariance Violation: Kinematical, Energetical and Geometrical Features

A. Petrucci, ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Via Anguillarese, 301 – 00123 Roma, Italy

GNFM, Istituto Nazionale di Alta Matematica “F. Severi”, Città Universitaria, P.le A.Moro 2, 00185 Roma, Italy

Dynamic Symplectic Spinor Quantization: The Global Positioning System and the Post-Keplerian Timing Model of Radio Pulsar Astrometry -A Tribute to Dame Jocelyn Bell Burnell-

Walter J. Schempp, Lehrstuhl für Mathematik I, Universität Siegen 57068 Siegen, Germany

WEDNESDAY AUGUST 3, 2017

9:00-18:00

Goedel and Caratheodory Theorems

Bohdan Hejna, University of Chemistry and Technology, Prague;
Department of Mathematics, Studentská 6, 166 28 Prague 6, Czech
Republic

***L*, a Universal Self Organized Semantic Turing Language
Explanation of the Emergence of Natural Biogenic Intelligence as
Experimentally Validated on Earth,**

Peter Marcer, Le Richelieu, 139 Ave du 15ieme Corps, 83700, St
Raphael, France

Peter Rowlands, Physics Department, University of Liverpool, Oliver
Lodge Laboratory, Oxford St, Liverpool, L69 7ZE, UK and

Walter Schempp, Lehrstuhl fuer Mathematik 1, University of Siegen, D-
5768 Siegen, Germany

Coffee-break

**Deduction of the First Order Spinor Equations of the Schrödinger
Quantum Spatial Harmonic Oscillator with the Emergence of the
Fundamental Energy**

Daniel M. Dubois, Centre for Hyperincursion and Anticipation in
Ordered Systems (CHAOS), University of Liege, Belgium

**Dynamic Metaplectic Spinor Quantization: Hyperbolic Vascular
Flow in Haemodynamic Magnetic Resonance Angiography - To the
memory of Sir Peter Mansfield -**

Walter J. Schempp, Lehrstuhl für Mathematik I, Universität Siegen
57068 Siegen, Germany

WEDNESDAY : LUNCH: 12:30-14:00

**Integrated approach of Human Health and Safety for Space
Exploration Missions**

Stéphane Grès, Association de Recherche en Technologie en Systémique
Et Méthodologie, ARTSEM, Paris, France, Membre associé du
laboratoire CosTECH – Université de Technologie de Compiègne,
France, Member of the IAA Study Group 3.16 on Global Human Mars
System Missions Exploration

**Time flow in Character Figure-Ground Relations in Literary Text--
Towards Story Generation**

Eugene S. Kitamura' Graduate School of Science, Kobe University,
Japan

**An Approach of the Process of Addiction: A Model of the
Experience**

Joël Colloc, Normandie Univ, UNIHAVRE, UNICAEN, UNIROUEN,
CNRS, IDEES, 76600 Le Havre, France

Peter Summons, Faculty of Engineering and Built Environment, The
University of Newcastle, Newcastle, Australia

Coffee-break

Modeling Zhan Zhuang and the Use of Virtual Reality

Chuleun Park, Eugene S. Kitamura, Graduate School of Science, Kobe
University, Japan

**Core Emotion as “a priori” Internal Anticipatory Models: Some
Empirical Exploratory Studies**

Isabel Barahona da Fonseca, Margarida Cipriano, Miguel Baião, Faculty
of Psychology, University of Lisbon

José Barahona da Fonseca' Faculty of Engineering, New University of
Lisbon