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| **19 September 2012 – Symposium # 50****2012 Seminar Course on Hadronic Mechanics and Chemistry** |  |
| **10:00 – 11:00** | **INVITED PLENARY LECTURE****R. M. Santilli,** "The Novel Mathematics Underlying hadronic Mechanics for matter and Antimatter"<http://www.santilli-foundation.org/docs/Santilli-2012-invited-lecture.pdf> |  |
| **19 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 1 Morning - Mathematics****CHAIR:  R. M. Santilli, U.S.A.** **(ROOM 1)** |  |
| **11:30 – 12.30** | “Introduction to Santilli Isonumbers” Prof. Christian Corda, Italy |
| **12.30 – 13,30** | "Studies on Lie-Santilli isotheory with unit of general form" Prof. Ascar Aringazin, Kazakhstan |
| **Lunch Break** |  |

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| **19 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 2 Afternoon - Mathematics****CHAIR:  R. M. Santilli, U.S.A.** **(ROOM 1)** |  |
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| **15:00 – 16:00** | "Fundamentally Very Thin H/v-Structure" Prof. Thomas Vougiouklis, Greece |
| **16:00 – 17.00** | “Santilli Category of Isotopic Groups” Prof. Stephan Moskaliuk, Ukraine  |
| **17:00 – 18.00** | “(Mathemimetics III)  Santilli-Lie-Admissible Isotopic Lifting of ElementaryParticles With Substantiation of Mutual Electron/Nucleon Lattice.” Prof. Erik Trell, Sweden |

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| **20 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 3 – Morning - IsoRelativity****CHAIR:  C. Corda, Italy** **(ROOM 1)** |  |
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| **9.00 – 10.00** | "Causal and Time Invariant Description of Superluminal Speeds within Physical Media via the Universal Isotopies of the Lorentz-Poincare' Symmetry" Prof. Ruggero Maria Santilli, U.S.A. |  |
| **10.00 – 11-00** | "Experimental Confirmation of Santilli Iso- and Blue-Shift for Monochromatic Laser Light" Mr. Gene Westy and Gino Amato, U.S.A. |  |
| **Coffee Break****11.30 – 12.30** **12.30 – 13.30** | "Anomalous Measurements of the Mossbauer Effect in Rotating Disks and Santilli IsoRed-BlueShift" Prof. Alexander Kholmetskii, Belorussia“On the Cosmological Redshift” Prof. Georgi Shpenkov, Poland |  |
| **Lunch Break** |  |

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| **20 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 4 Afternoon – Cosmology****CHAIR:  E. Trell, Sweden** **(ROOM 1)** |  |
| **15:30 – 16:30** | “Experimental Dismissal of Universe Expansion, Expansion Acceleration, Big Bang, Space Expansion, Dark Matter and Dark Energy'J. V. Kadeisvili, Russia |  |
| **16.40 – 17.30** |  “IRS experiments using the scattered light of blue sky”, Prof. René Verreault, Canada |  |
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| **21 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 5 Morn ing – Superluminal Communications****CHAIR:  R. M. Santilli, U.S.A.** **(ROOM 1)** |  |  |
| **9.00 – 10.00** | "Physical Background and Limits of Superluminal Signal Transport. " Prof. Guenter Nimtz, Germany |
| **10.00 – 11.00** | "Application of Faster than Light in Information Technology and in Media Communication" Prof. Alexander Carôt, Germany |
| **Coffee Break****11.30 – 13.30** | "Actual Measurements of Superluminal Communications via Electromagnetic Waves propagating within Special Guides" by Prof. Guenter Nimtz, and Prof. Alexander Carôt, |

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| **21 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 6 Afternoon – Measuring Santilli IsoRedShift****CHAIR:  A. K. Aringazin, Kazhkstan.** **(ROOM 1) (ROOM 1)** |  |
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| **13.30 – 14,30**  | "Superconducting self propulsion requires beyond the standard model" Prof. Athanassios Nassikas, Greece |
| **14.30 to Sunset** | "Actual Measurements on a beach of Santilli IsoRedShift of the Sun in the transition from the Zenith to the Horizon Via a Telescope and Avantes Wavelength Analyzer" Prof. S. Moskaliuk, Ukraine, Mr. G. Amato, U.S.A. and Mr. P. Murphy, U.S.A. |
| **19:00 – 20:00** |  “Hadronic Mechanics Aspects of Irreversible Physical Pendula", Prof. René Verreault, Canada |
| **At dusk** | Dinner offered by the Santilli Foundation to all participants of the 2012 Seminar Course on Hadronic Mechanics, Time and restaurant to be announced |

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| **23 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 7 – Morning - Hadronic Chemistry****CHAIR:  C. Corda, Italy** **(ROOM 1)** |  |
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| **9.00 – 10.00** |  "Structural Insufficiencies of Quantum Chemistry and their Apparent Resolution via the Covering Hadronic Chemistry" Prof. R. M. Santilli, U.S,A.  |  |
| **10.00 – 11-00** | "Studies on Santilli-Shillady model of the hydrogen molecule" Prof. Ascar Aringazin, Kazakhstan  |  |
| **Coffee Break****11.30 – 12.30** **12.30 – 13.30** | "Exact Solution of Santilli-Shilady's Three-Body Hydrogen Molecule" Prof. Raul Perez-Enriquez"Hadronic Chemistry Applied to Hydrogen and Water Molecules" Prof. Vijay Tangde, India |  |

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| **23 September 2012 – Symposium # 50****Seminar Course on Hadronic mechanics and Chemistry****SESSION: 8 – Afternoon = Hadronic Chemistry****CHAIR:  A. Kholmetskii, Belorussia** **(ROOM 1)** |  |
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| **15.30 – 16.30** | "Implications of Santilli's IsoRedShift Measurements for Gamma-Ray Burst Observed by SWIFT Satellite" Prof. Herman J. Mosquera Cuesta, Brazil  |  |
| **16.30 – 17.30****17.30 – 18.30** | "On the Geno-GPITT Framework: Spatially Uniform Systems and Geno-nonequilibrium Thermodynamic Time's Arrows" Prof. Anil Bhalekar, India"Electrically bound quantum particles and Pure Bound Field Theory: precise physics of simple atoms and new bound state of the proton and electron" Prof. Alexander Kholmetskii, Belorussia |  |

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| **24 September 2012 – Symposium # 50****Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 8 – Morning = Intermediate Nuclear Fusions****CHAIR:  R. M. Santilli, U.S.A.** **(ROOM 1)** |  |
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| **9.00 – 10.00** |  "Theoretical studies on Santilli's intermediate nuclear fusion without radiations" Prof. Wei Cai, U.S.A. |  |
| **10.00 – 11-00** | "Experimental Verification of Santilli's Intermediate Controlled Nuclear Fusions Without Radiations" Prof. Leong Ying, U.S.A. |  |
|  **Coffee Break****11.30 – 12.30****12.30 – 13.30** | ""Kinetic Advantage of Controlled Intermediate Nuclear Fusion" Prof. Xiaoming Guo, China"World Economy Crisis, New Energy Technology and CINF in China" Prof. Daxi Li, U.S.A. |  |

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| **24 September 2012 – Symposium # 50****2012 Seminar Course on Hadronic mechanics and Chemistry****SESSION: 9 – ThMorning = Hadronic Chemistry****CHAIR:  A. Kholmetskii, Belorussia** **(ROOM 1)** |  |
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| **15.30 – 16.30** | "Structural Insufficiencies of Relativistic Scattering Theories and their Apparent resolutions via the Hadronic Scattering Theory" Prof. R. M. Santilli, U.S.A. |  |
| **16.30 – 17.30** | "Non-Unitary Lie-Isotopic Scattering Theory of Hadronic Mechanics" Prof. Alex Animalu, NigeriaDEMOSTRATION of ICNF will be done in the event the Hadronic Reactor and related neutron and other counters are admitted by Greek Custom |  |

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| **25 September 2012 – Symposium # 50****2012 Seminar Course on Hadronic Mechanics and Chemistry****SESSION: 10 – Morning = Lie-admissible Formulations****CHAIR:  R. M. Santilli, U.S.A.** **(ROOM 1)** |  |
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| **9.00 – 10.00** |  "Non-Unitary Lie-Admissible Scattering Theory of Hadronic Mechanics" Prof. Alex Animalu, Nigeria |  |
| **10.00 – 11-00** | "Ex "On the Geno-GPITT Framework: Spatially Non-Uniform, Complex and Antimatter Systems" Prof. Anil Bhalekar, India |  |
|  **Coffee Break****11.30 – 12.30** **12.30 – 13.30** | "A superconducting propulsion experiment compatible to Santilli'setherino concept"". Prof Athanassios Nassikas, Greece"The problems of the ‘standard’ model of cosmology and the solutions arising from Santilli’s theory" Prof. Peter Rowlands, United Kingdom  |  |

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| **25 September 2012 – Symposium # 50****2012 Seminar Course on Hadronic mechanics and Chemistry****SESSION: 11 – Afternoon = Hadronic Chemistry****CHAIR:  A. Kholmetskii, Belorussia** **(ROOM 1)** |  |
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| **15.30 – 16.30** | "On the Geno-GPITT Framework: Spatially Uniform Systems and Geno-nonequilibrium Thermodynamic Time's Arrows" Prof. Anil Bhalekar, India |  |
| **16.30 – 17.30** | ""Geno-Bragg's Law and 10x10\* Representation of SU(3) Symmetry for Quasi-and Nano-crystal Structures"" Prof. Alex Animalu, Nigeria |  |