



ICCF 16

*16th International Conference
on Condensed Matter Nuclear Science*

CONFERENCE PROGRAMME

February 6 to 11th 2011

*GRI Convention Centre,
T Nagar, Chennai – 600 017*

Session 2

Gas Loading - I Chairman: Dr. F. Celani

- 14.15 GL 02 : A.Takahashi : *“Modeling Anomalies in Nano-Palladium D(H)-Gas Loading Experiments”*
- 14.40 GL 04 : M.A.Imam : *“Fabrication, Characterization, and Evaluation of Arata Style Alloys”*
- 15.05 GL 05 : D.A.Kidwell : *“Is the Excess Heat from Gas Loading Consistent With D-H Exchange?”*
- 15.30 GL 09 : E.Storms : *“Examination of errors that occur when using a gas-filled calorimeter”*
- 16.00 Coffee Break

Session 3

Gas Loading - II Chairman: Dr. W. collis

- 16.15 GL 12 : F.Celani : *“Flow Calorimetric Measurements of Interaction of H₂, D₂, He with Nanocoated Wires of Ni and Pd-Alloy at Temperatures upto 850 °C”*
- 16.40 GL 03 : O.Dimitriyeva : *“Mechanisms for heat generation during deuterium and hydrogen loading of palladium nanostructures”*
- 17.05 GL 06 : D.A.Kidwell : *“Nuclear “Ash” and Particle Detection in Gas Loading Experiments”*

DAY 2

TUESDAY

8TH FEBRUARY 2011

Session 4

Electrolysis - I

Chairman: Dr. J. Dufour

- 08.30 EL 03 : F.Tanzella : *"Stimulation of PdDx Wires at Cryogenic Temperatures"*
- 08.55 EL 01 : S. Lesin : *"The Theoretical Basis of Super Waving LENR"*
- 09.20 EL 05 : M.Miles : *"Electrochemistry and Calorimetry of Ruthenium Co- Deposition"*
- 09.45 EL 11 : M.A.Imam : *"Metallurgy and Calorimetry of Pd-B and Pd-Ce-B Materials"*
- 10.10 EL 09 : Y.Bazhutov : *"Calorimetric & Nuclear Phenomena in Anode Plasma Electrolysis"*
- 10:35 **Coffee Break**

Session 5

Electrolysis - II

Chairman: Dr. Y. Iwamura

- 10.50 EL 12 : M.Miles : *"Investigations of Possible Shuttle Reactions in Co-Deposition Systems"*
- 11.15 EL 10 : B.P.Roarty : *"Protocol for a Silicate-based LENR Using Electrodes of Various Metals"*
- 11.40 EL 15 : F.Scholkman : *"Statistical Analysis of Diurnal Variations in an LENR Experiment"*
- 12.05 GL 10 : G.V.Tarasenko : *"Cold nuclear fusion in the earth's crust"*
- 12.30 **Group Photo**
- 13.15 **Lunch Break**

14.30

Session 6

Poster Session

Coffee will be served at Poster session venue

- EL 13 : **M.Miles** : *“New Analysis of MIT Calorimetric Errors”*
- NP 03 : **A.B.Karabut** : *“Research into Excited Long Lived 0.6 - 6.0 Kev Energy Levels in The Cathode Solid Medium of Glow Discharge by X-Ray Spectra Emission”*
- Th 09 : **V.I.Vysotskii** : *“The Physical Reasons of Existence of Large-Size Neutron-Nucleus Molecules and Related Anomalies of Long-Distance Low Energy Fusion and Fission”*
- Th 11 : **Y.N.Bazhutov** : *“Erziotriton & Cold Nuclear Transmutation Coursed by it”*
- Th 14 : **R.C.Gupta** : *“Possibility of Nuclear-Fusion Occurring during Arc-Welding”*
- NP 06 : **R.Stringham** : *“Cavitation BEC Compression Pulse Explains Experimental Results”*
- EL 14 : **D.S.Baranov** : *“Production of Neutron-rich Bi Isotopes and Hypothesis about Formation and Decay of the living Nuclear Molecules”*

15.45

ISCMNS Annual General Meeting

17.45

Departure for Kalakshetra (at Tiruvanmiyur)

18.45

Cultural Programme at Kalakshetra

21.00

Return to Hotels

DAY 3 WEDNESDAY 9TH FEBRUARY 2011

Session 7

Theory - I

Chairman: Dr. R. C. Gupta

08.30	Th 05 : A.Meulenberg	: <i>"From the Naught Orbit to He⁴ Ground State"</i>
08.55	Th 03 : N.Cook	: <i>"Simulation of Palladium Fission Products Using the Lattice Model"</i>
09.20	Th 04 : K.P.Sinha	: <i>"Quantum-Correlated Fluctuations, Enhanced Tunneling and Low-Energy Nuclear Reactions in Condensed Matter (Alloys)"</i>
09.45	Th 06 : J.Dufour	: <i>"Introduction to pico-chemistry and experimental approach"</i>
10.10	Th 12 : A.Lakshmanan	: <i>"Compatibility of Ionic Crystal Lattice Assisted Fusion and Thermonuclear Fusion"</i>
10.35	Coffee Break	

Session 8

Theory - II

Chairman: Dr. Yu. Bazhutov

10.50	Th 07 : V.Dallacasa	: <i>"Localization Effects of Low-Energy Deuterons in a Lattice"</i>
11.15	Th 08 : V.Vysotskii	: <i>"Low Energy Sub-barrier Correlated Nuclear Fusion In Dynamical Systems"</i>
11.40	Th 13 : R.C.Gupta	: <i>"Possible Explanation for How Coulomb's Repulsion is Overcome in Cold-Fusion"</i>
12.05	Early Lunch Break	
13.15	Departure by bus	: <i>Sightseeing trip to Mamallapuram & Dakshin Chitra</i>
19.30	Dinner Meeting	: <i>International Advisory Committee (Invitees Only)</i>

DAY 4 THURSDAY 10TH FEBRUARY 2011

Session 9

**Nuclear Particle Measurements
Chairman: Dr. D. Nagel**

- 08.30 NP 01 : J.Kasagi :*“Dynamical screening effect on α -decay in Metal during deuteron beam bombardment”*
- 08.55 NP 04 : A.Manuello :*“Neutron Emission Measurements During Loading Tests on Solid Specimens and Confirmations by EDS Analysis”*
- 09.20 NP 05 : A.Petrucci :*“Piezonuclear neutrons and transmutations in iron bars treated by ultrasounds”*
- 09.45 Th 10 : F.Frisone :*“Nuclear Exothermic Reactions in lattices Pd: A Theoretical Study of d - d Reaction”*
- 10.10 EL 04 : S.Chubb :*“Magnetic Field Triggering of Excess Power in Deuterated Palladium”*
(To be presented by M.Melich)
- 10:35 Coffee Break

Session 10

**Transmutations and Hot Spots
Chairman: Dr. J P Biberian**

- 10.50 Tr 01 : Y.Iwamura :*“Recent Advances in Deuterium Permeation Transmutation Experiments”*
- 11.15 Tr 02 : J.Dash :*“Characterization of Cathodes Before and After Electrolysis”*
- 11.40 Tr 03 : M.Valat :*“Pd Isotopic Variations After LENR Experiment”*
- 12.05 Tr 04 : D.Nagel :*“Craters in LENR Experimental Materials”*
- 12.30 Tr 06 : Y.N.Bazhutov :*“Observation of Pits and Pit Swarms in Plastic Solid-State Detectors Exposed in Space and their Erzion Interpretation”*
- 13:00 Lunch

Session 11

**Materials
Chairman: Dr. J. Kasagi**

- 14.15 Mt 01 : A.Kitamura :*“Characterization of Pd×Ni×Zr Oxide Compounds”*
- 14.40 Mt 02 : Y.Miyoshi :*“Effect of Forced Oxidization on Hydrogen Isotope Absorption/Adsorption Characteristics of Pd.Ni.Zr*
- 15.05 Mt 03 : D.D.Dominguez :*“Are Oxide Interfaces Necessary for LENR?.”*
- 15.30 Mt 04 : V.Violante :*“The study of the Fleischman & Pons effect through the materials science development”*
- 16.00 Coffee Break

Session 12

Miscellaneous Chairman: Dr. D. Knies

- 16.15 EL 02 : R.Johnson :*“The Evidence for the Fleischmann-Pons Effect”*
- 16.40 Mt 05 : E.Castagna :*“Correlation Between Surface Properties and Anomalous Effects in F & P Experiments”*
- 17.05 Th 15 : V.Godbole :*“Deuteron fusion using Pb nanoparticles”*
- 19:30 Conference Banquet
 (“Southern Crown Hall”, GRT Grand Hotel)

DAY 5

FRIDAY

11TH FEBRUARY 2011

Session 13

Engineering & Technology Chairman: Dr. A. Meulenberg

- 08.30 ET 01 : D.L.Knies :*“Robust Performance Validation of LENR Energy Generators”*
- 08.55 ET 02 : D.J.Nagel :*“Optimization of LENR Energy Generators”*
- ET 05 : D.J.Nagel :*“Hot and Cold Fusion for Energy Generation”*
- 09.30 ET 03 : I.Goryachev :*“Technology of Environmentally Clean Remediating Radioactive Waste Based on Low Energy Transmutation of Radioactive Nuclides”*
- ET 04 : I.Goryachav :*“Technology of Wasteless Low Cost Desalinating Sea Water Based on Low Energy Transmutation of Chemical Elements”*
- 10:10 Coffee Break
- 10.30 Conference summary: Dr. D. Nagel
- 11.00 Concluding Session: Dr. M. McKubre
- 11.30 ICCF 16 Conference concludes