

Oral presentation

New Energy Technology - AM Session

Theoretical Approach to LENR/Cold Fusion

Location: Sheraton Park Hotel at the Anaheim Resort

Room: Park Blrm D

Organizers: Jan Marwan

Presiders: Jan Marwan

Duration: 8:30 am - 12:15 pm

Pres Time	Pub #	Presentation Title
9:30 am		Introductory Remarks
_____	9	WITHDRAWN
_____	10	_____
		<u>WITHDRAWN</u>
_____	11	_____
		<u>WITHDRAWN</u>
9:40 am	12	<u>Phenomenology of nanoparticle/gas-loading experiments</u> Prof. Akito Takahashi, Prof. Akira Kitamura, Yuki Miyoshi, Hideyuki Sakoh, Akira Taniike, Reiko Seto, Yushi Fujita
10:20 am		Intermission
10:35 am	13	<u>Mechanisms for heat generated during deuterium loading of alumina-based Pd nanoparticle material</u> Olga Dmitriyeva, Richard Cantwell, Matt McConnell, Garret Modell
10:55 am	14	<u>Low energy $6\text{Li}+d$ reaction with liquid Li target: Screening effects due to electrons and ions</u> Professor Jirohta Kasagi
11:15 am	15	<u>Progress in modeling excess heat in the Fleischmann-Pons experiment</u> Professor Peter L Hagelstein PhD, Professor Irfan U Chaudhary PhD
11:35 am	16	WITHDRAWN
11:55 am	17	<u>Study of the tunneling effect within lattices with cubic structure on varying temperature</u> Prof Fulvio Frisone PhD

Oral presentation

New Energy Technology - PM Session

Excess Heat/Power Calorimetry and Nuclear Particle Production

Location: Sheraton Park Hotel at the Anaheim Resort

Room: Park Blrm D

Organizers: Jan Marwan

Presiders: Jan Marwan

Duration: 1:30 pm - 5:35 pm

Pres Time	Pub #	Presentation Title
1:30 pm	25	Nuclear reaction during electrolysis <u>Prof Richard Oriani PhD</u>
1:50 pm	26	Nanostructured ZrO₂-PdNiD: Electrical behavior and avalanche breakdown <u>Mitchell R Swartz ScD, MD, Brian S Ahern PhD</u>
2:10 pm	27	Ultrasonic and electric activation of nanostructured ZrO₂-PdNiD <u>Mitchell R Swartz ScD, MD</u>
2:30 pm	28	Modes of excess heat production in the Fleischmann-Pons Effect <u>Dr Michael C H McKubre PhD, Dr Francis Tanzella PhD</u>
2:50 pm	29	Comparison of calorimetry: MIT and Fleischmann-Pons systems <u>Dr. Melvin H. Miles PhD, Professor Peter Hagelstein PhD</u>
3:10 pm	30	Electrochemical co-deposition of ruthenium in H₂O and D₂O systems <u>Dr. Melvin H. Miles PhD</u>
3:30 pm		Discussion
3:45 pm		Intermission
3:55 pm	31	Hydrogen isotope gas absorption/adsorption characteristics of Pd nanopowders <u>Prof. Akira Kitamura PhD</u>
4:15 pm	32	Comparison of DT- generated and Pd/D co-deposition triple tracks in CR-39 detectors <u>Dr. Pamela A. Mosier-Boss, Mr. Lawrence P.G. Forsley, Mr. Mark S. Morey, Dr. James R. Tinsley, Mr. John P. Hurley, Mr. Pierre Carbonnelle, Dr. Frank E. Gordon</u>
4:35 pm	33	Comparison of three methods of analyzing nuclear tracks observed in CR-39 detectors used in Pd/D co-deposition experiments <u>Lawrence P Forsley, Dr. Pamela Mosier-Boss PhD, Dr. Francis Tanzella PhD, Dr. Andrei Lipson PhD, Dr. Dazhuang Zhou PhD, Dr. Alexi Roussetski PhD, Dr. Michael McKubre PhD</u>
4:55 pm	34	Search for charged particle emissions resulting from Pd-D Co-Deposition <u>Richard Cantwell, Matt McConnell</u>
5:15 pm	35	Nuclear transmutation effects after exposing electrodes to electricity <u>Matthias Grabiak</u>

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New Energy Technology - AM Session

New Energy Perspectives

Location: Sheraton Park Hotel at the Anaheim Resort

Room: Park Blrm D

Organizers: Jan Marwan

Presiders: Jan Marwan

Duration: 8:30 am - 11:50 am

Pres Time	Pub #	Presentation Title
8:30 am	44	Open gate phenomenon: A basis for new energy technologies <u>Susan Taft</u> , Dr. Jan Marwan PhD
8:50 am	45	Electrochemical and electron probe microanalysis measurements on nanostructured palladium <u>Dr Jan Marwan PhD</u> , Vanessa Rackwitz MSC
9:10 am	46	Van der Waals force manipulation in semiconducting nanocavities as a novel approach to efficient, multi-source energy harvesting <u>Dr. Fabrizio Pinto</u>
9:30 am	47	<u>WITHDRAWN</u>
9:50 am		Intermission
10:05 am	48	Experimental investigation of a new energy technology using magneto acoustic resonance and magnetic force microscopy <u>Dr. Thorsten Ludwig</u>
10:25 am	49	Using quantum field energy and magnetic properties for energy conversion <u>Dr. Thorsten Ludwig</u>
10:45 am	50	Helium and energy measurements from exploding Pd_x wires at 77°K Francis Tanzella PhD, Michael McKubre PhD, Jianer Bao PhD
11:05 am	51	Dehydrohalogenation of strongly adsorbed 1,1,2,2-tetrachloroethane <u>Dr. Chengdong Zhang</u> , Hao Tang, Haonan kong
11:25 am	52	Bose Einstein Condensate cluster, high density and Tc: Picosecond heat production <u>Roger S. Stringham</u>
11:45 am		Concluding Remarks