

14th International Conference on Condensed Matter Nuclear Science
14th International Conference of Cold Fusion
 Hyatt Regency on Capitol Hill
 Washington DC

Sunday 10 August 2008

1500-1900	Registration	Ballroom Foyer (Lower Level)
1900-2100	Reception	Columbia Ballroom (Lower Level)

Monday 11 August 2008

0730-0830	Daily: Registration in the Ballroom Foyer (Lower Level) and Continental Breakfast in the Hall of Battles (Lower Level)	
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Opening Session
Ballroom (Lower Level)

			Number
0830-1000	Llewellyn King	Keynote Address	1
	D. J. Nagel	Problems, Progress and Prospects	2
	M. E. Melich	Conference Preview	3

1000-1030	Morning Break in the Hall of Battles (Lower Level)	
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Heat Results
 Chairmen: M. Srinivasan and Y. Kim

1030-1100	D. Cravens and D. Letts	The Enabling Criteria of Electrochemical Heat: Beyond Reasonable Doubt	4
1100-1130	M. Swartz	Excess Power Gain and Tardive Thermal Power Generation using High Impedance and Co-depositional Phusor™ Type LANR Devices	5
1130-1200	S. Lesin, <i>et al.</i>	Ultrasonically-Excited Electrolysis Experiments at Energetics Technologies	6

1200-1330	Lunch	Congressional Room (Lobby Level)
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Measuring Heat
 Moderator: B. R. Breed

1330-1500	J. Dufour, <i>et al.</i>	Ice Calorimetry	7
	M. Eisner	Heat Flow Calorimetry	8
	M. C. H. McKubre	Mass Flow Calorimetry	9
	M. H. Miles and M. Fleischmann	Isoperibolic Calorimetry	10
	E. Storms	Seebeck Calorimetry	11

1500-1530	Afternoon Break in the Hall of Battles (Lower Level)	
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Materials			
Chairmen: A. Takahashi and S. Chubb			
1530-1600	V. Violante, <i>et al.</i>	On the Correlation of PdD Alloy Material Properties with the Occurrence of Excess Power	12
1600-1620	I. Parchamazad, <i>et al.</i>	Investigations of Nanoparticle Palladium/Deuterium Systems in Zeolites	13
1620-1640	J. Marwan	Study of the Nanostructured Palladium Hydride System	14
1640-1700	T. Nohmi, <i>et al.</i>	Basic research on condensed matter nuclear reaction using Pd powders charged with high density deuterium	15
Poster Session and Book Sales			
1700-1800	Posters	Lexington and Concord Rooms	
1700-1800	Book Sales	Reception Desk in the Ballroom Foyer (Lower Level)	
Tuesday 12 August 2008			
Gas and Fast Loading			
Chairmen: K. P. Sinha and D. Cravens			
0830-0900	J.-P. Biberian	Cold Fusion by Gas Loading: A review	16
0900-0930	F. Celani, <i>et al.</i>	Deuteron electromigration in thin Pd wires coated with nano-particles: evidence for ultra-fast Deuterium loading and anomalous, large thermal effects	17
0930-1000	Morning Break in the Hall of Battles (Lower Level)		
Honoring Yoshiaki Arata			
Organizer: T. A. Chubb			
1000-1030	T. A. Chubb	In Honor of Yoshiaki Arata	18
1030-1100	Y. Arata and Y.-C. Zhang	"Solid Fusion" Reactor with Zero Input Energy	19
Honoring Stanislaus Szpak			
Organizer: F. E. Gordon			
1100-1200	S. Szpak, P. Mosier-Boss, F. Gordon, M. Miles and L. Forsley	LENR Research Using Co-Deposition	20
1200-1330	Lunch	Congressional Room (Lobby Level)	

Particle Measurements			
Chairmen: X. Z. Li and R. E. Smith			
1330-1400	A. G. Lipson, <i>et al.</i>	Charged Particle Emission During Electron Beam Excitation of Deuterium Subsystem in the Pd and Ti-Deuteride Targets	21
1400-1430	E. Storms and B. Scanlan	Detection of Radiation Emitted from LENR	22
1430-1500	R. Oriani	Reproducible Evidence for the Generation of Nuclear Particles During Electrolysis	23
1500-1530 Afternoon Break in the Hall of Battles (Lower Level)			
Challenges			
Chairmen: Y. Iwamura and E. Storms			
1530-1600	M.C.H. McKubre, <i>et al.</i>	The Importance of Replication	24
1600-1630	Y. Toriyabe and J. Kasagi	Development of New Detector System for Charged Particle Emission	25
1630-1700	D. Kidwell	Considerations for Ultra-Trace Analysis of Metals in a Palladium Matrix	26
Poster Session and Book Sales			
1700-1800	Posters	Lexington and Concord Rooms	
1700-1800	Book Sales	Reception Desk in the Ballroom Foyer (Lower Level)	
1800-2000 Annual General Meeting of the ISCMNS in the Ballroom (Lower Level)			
Wednesday 13 August 2008			
Transmutations			
Chairmen: A. Kornilova and V. Vysotskii			
0830-0900	Y. Iwamura, <i>et al.</i>	Transmutation Reactions Induced by D ₂ Gas Permeation through Pd Complexes (Pd/CaO/Pd)	27
0900-0920	T. Yamaguchi, <i>et al.</i>	Investigation of Nuclear Transmutation Using Multilayered CaO/X/Pd Samples Under Deuterium Permeation	28
0920-0940	T. Hioki, <i>et al.</i>	Influence of Deuterium Gas Permeation on Surface Elemental Change of Ion-Implanted Pd	29
0940-1000	J. Dash and Q. Wang	Elemental Mapping on the Surfaces of Palladium Cathodes after Electrolysis	30
1000-1030 Morning Break in the Hall of Battles (Lower Level)			

Country Histories			
Chairmen: W. Collis and T. Passell			
1030-1045	X. Z. Li	China - Condensed Matter Nuclear Science Research in China	31
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1100-1115	M. Srinivasan	India - History of Cold Fusion Research in India	33
1115-1130	F. Scaramuzzi	Italy - The History of Cold Fusion in Italy 1989-2008	34
1130-1145	J. Kasagi and Y. Iwamura	Japan - Country History on Japanese Work on Cold Fusion: Towards further development of Condensed Matter Nuclear Science	35
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	Yu. Bazhutov	Role of Russian Scientists in CMNS – Conferences 1991-2007	37
1230	Depart for Tour with Box Lunches on the Bus		
About 1330	Arrive at the Udvar-Hazy Center of the Smithsonian Air and Space Museum		
1630	Depart from the Udvar-Hazy Center of the Smithsonian Air and Space Museum		
About 1730	Arrive at the Hyatt Regency Hotel on Capitol Hill		
1900	Conference Banquet and Award Ceremony in the Regency Ballroom (Lower Level)		
Thursday 14 August 2008			
Theory			
Chairmen: V. Violante and A. Imam			
0830-0900	P. L. Hagelstein, et al.	Physical Mechanisms in Theories of Condensed Matter Nuclear Science	38
0900-0915	X. Z. Li, <i>et al.</i>	Exploring a Self-Sustaining Heater without Contamination	39
0915-0930	Y. E. Kim	Theory of Low-Energy Deuterium Fusion in Nano-Scale Metal Particles	40
0930-0945	S. R. Chubb	Resonant Electromagnetic Dynamics Explains the Fleischmann-Pons Effect	41
0945-1000	M. Swartz	Optimal Operating Points in Active, Loaded Palladium Linked to Three Distinct Physical Regions	42
1000-1030	Morning Break in the Hall of Battles (Lower Level)		
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Chairmen: I. Savvatimova and J. Dash			
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1130-1200	K. Czernski, <i>et al.</i>	The D-D threshold resonance and enhanced electron screening	45
1200-1330	Lunch	Congressional Room (Lobby Level)	

Theory			
Chairmen: J. Dufour and M. H. Miles			
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1400-1415	R. W. Bass and M. Swartz	Empirical System Identification (ESID) and Optimal Control of Lattice-Assisted Nuclear Reaction (LANR) Devices	48
1415-1430	A. Marmigi, et al.	The SHEEN Project: Theoretical Model on the hydrogen dynamics in CMNS experiments	49
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1500-1530 Afternoon Break in the Hall of Battles (Lower Level)			
Materials and Optical Measurements			
Chairmen: T. Zilov and M. B. Miller			
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Poster Session and Book Sales			
1700-1800	Posters	Lexington and Concord Rooms	
1700-1800	Book Sales	Reception Desk in the Ballroom Foyer (Lower Level)	
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Chairmen: J. Kasagi and D. Letts			
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0945-1000	L. Forsley and P. Mosier-Boss	Quantitative Spatial Analysis of Pd/D Co-Deposited Induced Nuclear Particle Tracks	61
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1100-1130	Panel	Experimental Design	
1130-1200	Panel	Realizing the Promise	
1200-1330 Lunch Regency Ballroom (Lower Level)			
Workshop on Transmutations in the Valley Forge Room (Lower Level) Organized and Chaired by George Miley			
1330-1350	G. H. Miley	Introduction and Brief Overview of the Field	
1350-1430		Short Presentations & Discussion of Prior Experiments	
1430-1445 Afternoon Break in the Hall of Battles (Lower Level)			
1445-1525		Short Presentations & Discussion of Theory	
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1605-1645	Panel	Discussion of Scientific Implications and Potential Commercial Applications	
1645-1700		Discussion and Summary Remarks.	
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