

DRAFT AGENDA

As Of: 6/17/2010

RDECOM Power & Energy TFT LENR Workshop 29 June 2010 Auditorium, Army Research Labs (ARL), Adelphi, MD

Researchers in the field of Low-Energy Nuclear Reactions (LENR) are claiming paradigm-shifting results, including generation of large amounts of excess heat, nuclear activity and transmutation of elements. Although no current theory exists to explain all the reported phenomena, some scientists now believe quantum-level nuclear reactions may be occurring. Although much skepticism remains, LENR programs are receiving increased support worldwide, including state sponsorship and funding from major corporations.

If nuclear reactions in LENR experiments are real and controllable, DIA assesses that whoever produces the first commercialized LENR power source could revolutionize energy production and storage for the future. The potential applications of this phenomenon, if commercialized, are unlimited. LENR could serve as a power source for batteries that could last for decades, providing power for electricity, sensors, military operations, and other applications in remote areas, including space.

The goals of this workshop are to assess the current state of art and to develop a strategy about moving forward. We aim to better understand the following: What are the major (showstopper) questions about LENR for DoD. Are reactions repeatable? What's the metallurgy? What appears to be the shortest route to the greatest benefit for DoD?

WORKSHOP AGENDA			
0800	Opening Remarks/Workshop Goals	Dr. Ed Shaffer, ARL	15 min
0815	Workshop Process	Dr. Cynthia Lundgren, ARL	15 min
0830	Bose-Einstein Condensates	Yeong Kim, Purdue University	20 min
0850	Widom-Larsen Theory	Allan Widom	20 min
0910	Hagelstein Theory	Peter Hagelstein	20 min
0930	Reproducibility of LENR Reactions	Mike McKubre, SRI	30 min
1000	Break		15 min
1015	Evidence of Nuclear Particles	Pam Boss, SpaWar	30 min
1045	Transmutation	George Miley, University of Illinois	30 min
1115	Triggering LENR Reactions	Fran Tanzella, SRI (Presented by Mike McKubre)	30 min
1145	Calorimetry	Mel Miles, Dixie State College	30 min
1215	Lunch		60 min
1315	Open Forum: <ul style="list-style-type: none">• Efforts to Replicate Arata under EPRI Sponsorship• NRL Efforts Spanning the Last 8 Years• Nuclear Theory Explanation of Triple Tracks Observed in CR-39 from Pd/D Co-Deposition Experiments	Presenters: Brian Ahern, Vibronic Energy Tech. Corp Kenneth Grabowski, NRL Yeong Kim, Purdue University	1 hr

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	<ul style="list-style-type: none">• Connection between Transmutation and D-D Type LENRs• Energy Gains in LENR Experiments• Critical Comments on LENR Reserach	George Miley, University of Illinois David Nagel, George Washington Univ. Nino Pereira, ARL SEDD	
1415	Break		15 min
1430	Discussion Session: <ul style="list-style-type: none">• State of the Art in Materials• Consensus on Reproducibility• What Experiments are Lacking	Dr. Cynthia Lundgren	1 hr
1530	Break		15 min
1545	Closing Remarks	Dr. Ed Shaffer, ARL	15 min
1600	Government Only Discussion Session: <ul style="list-style-type: none">• Review of LENR Workshop Findings• With Available Funding, How Can Army Best Contribute• Way Forward	Dr. Cynthia Lundgren	1 hr
1700	Closing Remarks	Dr. Ed Shaffer, ARL	15 min
1715	Conclusion of LENR Workshop		

Security Information

- Visitor Requests

Government Organizations using JPAS:

Please send Visitor Requests thru JPAS using ARL SMO Code (W262AA5) to:

US Army Research Laboratory

POC: Sharon Sanchez, ARL-SEDD, ssanchez@arl.army.mil or Anna Dye, ARL-SEDD, adye@arl.army.mil

Purpose of Meeting: Attendance at the P&E TFT Low Energy Nuclear Reactions (LENR) Workshop

Date: 29 June 2010

Non-Government or Government NOT using JPAS:

Please send Visitor Request to:

US Army Research Laboratory,

ATTN: Peggy Porter, Access Control Badge Office

2800 Powder Mill Road,

Adelphi, MD 20783

FAX: 301-394-2087

- **Foreign Nationals paperwork must be processed by 17 May. ARL Form 183 must be completed.**
- Foreign Nationals **MAY NOT BRING LAP TOPS** onto installation.
- PEDs with cameras are not allowed. Individuals with a clearance or a National Agency Check may bring these devices into ARL but may not use these capabilities. Visitors may bring cell phones, Blackberry's, and laptops (get pass) on-site but they may not be used for internet access.

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- Portable storage devices (ie. thumb drives) are not permitted at ARL. If you are presenting, please bring your presentation file on a CD/DVD and/or send to Melissa Walchko, melissa.walchko@iperc.us, in advance.