

**Fox Valley Electric Auto Association
PO Box 214
Wheaton, IL 60187-0214**

Return Service Requested



May 2012 FVEAA Newsletter

**The FVEAA is a Not-For-Profit Illinois Corporation and the
Chicago Area Chapter of The Electric Auto Association**

Note: New Meeting Place!

Next Meeting

Friday, May 18th, 2012 - 7:00 PM to 9:15 PM

**Community Christian Church, 1635 Emerson Lane, Naperville,
Illinois 60540**

**at the intersection of Ogden and Richert Drive in Naperville.
Also called the "Yellow Box." We'll meet again in the little
theater west side, 1st floor**

DOORS OPEN 6:30 p.m. MEETING STARTS 7:00 p.m. ENDS 9:15 p.m.
(note allow extra time due to road construction)

The speaker is Said Al-Hallaj, head of All Cell Technologies.

Dr. Al-Hallaj, a former Illinois Institute of Technology professor will be talking about his company All Cell Technologies and their passive thermal management systems for lithium-ion battery packs and new topics on electric transportation.

Check out All Cell. at <http://www.allcelltech.com/>

NOTE DATE, DAY, TIME, AND LOCATION

Directions to Community Christian Church in Naperville: <http://maps.google.com/maps?q=1635+Emerson+Lane+Naperville+Illinois>

Agenda

- Call To Order
- Old Business
- Committee Reports
- New Business
- Intermission: Refreshments, Networking and EV Viewing
- Program: Said Al-Hallaj of All Cell Technologies,

President's Words

Bruce Jones

Hi EVeryone,

It was very nice to see such a good turnout at our last meeting on Wednesday April18 in Wheaton. I sure apologize about not getting the word out sooner, but we had around 35 or 40 members in attendance at the Fox Valley IEEE meeting at the Rice Campus. Jason Harper of Argonne had some excellent material on Electric Vehicle Supply Equipment and standards as described in the Meeting Minutes below. I think we had almost as many members there as the IEEE did!

THIS MONTH' SPEAKER !!

LOCATION: Community Christian Church.

Our guest speaker this month is Said Al-Hallaj, a former Illinois Institute of Technology professor who will be talking about his company All Cell Technologies and their passive thermal management systems for lithium-ion battery packs and possibly new topics on electric transportation. Check them out at <http://www.allcelltech.com/>

All Cell Technologies is a "green" company that designs and develops thermal management solutions and manufactures lithium-ion battery packs for portable, stationary, and transportation applications. Their products cover e-mobility, renewable energy, and stationary energy storage markets. By focusing on thermal management they have differentiated their high power lithium-ion battery systems from other battery systems. An All Cell patented phase change material (PCM) surrounds each lithium-ion cell to absorb and conduct heat away from the battery, effectively doubling the life of the cells and preventing a fire or explosion. It's a passive thermal management system using no pumps, piping, or controls, which is a much more cost effective solution than other active systems.

All Cell also develops a wide range of solutions for cell selection, battery management system (BMS) design, phase change material development, product integration, and assembly.

In October of 2011, Governor Pat Quinn unveiled an 'Advantage Illinois' plan designed to turn around the state's growing unemployment rate by helping small businesses gain access to credit or capital and providing matching funds. The program leverages \$78 million funded by the U.S. Treasury from President Obama's Small Business Jobs Act.

Well guess where Gov. Quinn made the announcement? At AllCell Technologies, where the 2-year-old company is looking to expand their facilities on the Southwest side of Chicago at 2321 W. 41st Street.

They were looking to expand from 10 to 15 employees and are also trying to expand in the international market. And when Chicago Magazine recently announced their Green Awards: Entrepreneur Edition they named Said Al-Hallaj one of it's five awardees.

Should be a great evening, so give yourself plenty of time to get to CCC as there is road construction on Ogden Avenue.

MIDWEST GREEN CAR EXPO SAT MAY 5th !!!

Headed by our own Rich Hirschberg, the Midwest Green Car Expo is going to be held along with Elgin's Green Car Expo 2012 at 100 Symphony Way at Elgin's downtown Recreation Center on Saturday May 5th. See the electric DeLorean and many other exciting vehicles

Here is a link to the site

<http://midwestgreencarexpo.weebly.com/>

And a MAP to 100 Symphony Way, the Rec Center in downtown Elgin

<http://maps.google.com/>

maps?jsid=7&hl=en&um=1&ie=UTF-8&q=City+of+Elgin:+Centre+of+Elgin&fb=1&cid=0

Thanks
Bruce Jones
President FVEAA

Photos

Sorry, no photos from the last meeting at IIT Rice Campus	



Community Christian Church in Naperville. At this upcoming May meeting, for those who want to charge their PEV, drive up onto the sidewalk (YES onto the sidewalk!) and plug into one of the 120 VAC outlets <approximate locations shown.>

Rich's Ramblings

Rich Carroll

EV's are certainly becoming more mainstream. As of today, you can purchase a Volt, a Leaf, a Mitsu i, a Ford Transit Connect, a Ford Focus Electric, a Tesla or a Coda, provided the local dealer has one in stock. That is quite a range of good EV's with a wide spectrum of different ranges, and types. But, a better barometer of how mainstream the EV has become is the public asking for additional information about them.

As many of you know, I work part time at Shriner's Hospital for Children, and they had a recent earth day fair in their mall, promoted to staff and families, as well as patients and their families. Always add in a few visiting Shriners, and it makes an interesting day. I was asked to present a table of information at the earth day fair, with literature and information on EV's and we certainly had a good number of folks who stopped by to ask questions.

Next Wednesday, I have one hour or so talk to The Joint Commission. The Joint Commission surveys hospitals and other health care providers, providing a survey of the functions of the provider, and, if standards are met, an accreditation. Every hospital, home care, and large health care provider has The Joint Commission come to survey themselves, so as to

make this accreditation. What does The Joint Commission have to do with EV's? They are interested, and asked me to speak at a monthly luncheon group that likes to keep informed on science and technology issues. They actually asked last year, seeking me out as (at that time) President of the FVEAA. We did need to make sure that this would not pose conflict of interest issues, as they do survey and accredit all of the Shriner's Hospitals for Children in the nation, but this was able to be solved.

What do we talk about? What's available, why you should drive an EV, and what charging levels and opportunities can be found. We also talk about safety, taking a couple of panels from my presentation to First Responders on how to effectively approach an EV after an accident or fire. And I encourage questions, lots of questions.

Next weekend is the Midwest Green Car Expo in Elgin, and two weeks later, the Earth Day/Arbor Day fest in Homer Glen. Each of these events will have folks looking for solid, factual information, and turning to people they believe are experts. We can't let them down, can we?

Meeting Minutes -

Bruce Jones

The April meeting was called to order not by President Jones but by the leaders of the Fox Valley IEEE at the IIT Rice Campus location at around 7:00 p.m. Their president John Bundy had contacted Bruce Jones and invited the FVEAA members to attend a session on Electric Vehicle Charging Stations by Jason Harper of Argonne Laboratories. Since that meeting was just a couple days from the usual Friday FVEAA meeting, the choice was easy, and the board members agreed.

Jason presented "Standards and Codes Related to PEV Charging and Communication" which included the following topics

- Types of Electric Vehicles/Charging Times
- Basics of PEV charging: AC on-board vs. DC off-board
- Basics of PEV and EVSE Digital Communication
- Smart Home Communication Example
- SAE Hybrid Communication Task Force Standards
- Wireless Charging

There were many questions from the audience (especially Ted, one of our most avid IEEE and PEV experts!) during his outstanding presentation, which included some insightful charts like a 2011 Chevy Volt Charge Energy and Efficiency Analysis page. Jason graciously provided us with his presentation as well as some presentations on wireless charging and DC fast charging which can be downloaded by members from the file bank at fveaa.org.

The meeting adjourned around 8:15 p.m. but many of us stayed afterwards to talk past 9:00 p.m.

Membership Form

Ted Lowe

FVEAA Membership Application Form

Name: _____

Address: _____

City, State Zipcode: _____

Phone: _____ Phone Type: Home ___ Work ___ Cell ___

Email: _____

Please check one: New Member _____ Renewal _____

How did you hear about the FVEAA ? _____

Member Types and Annual Dues (Please circle one)		Newsletter Delivery Types (Please circle one)	
Individual	\$15	No Newsletter	\$0
Family	\$20	Electronic Only	\$0
Business	\$100	Postal Mailed	\$15
Premier Business	\$250	Postal Mailed and Electronic	\$15
Charter Business	\$500		
Total Due from Both Columns:			

Please make your check payable to "FVEAA" and postal mail it with this membership application form to:

FVEAA**PO Box 214****Wheaton, IL 60187-0214**

Attn: Membership

Charter Business Member ComEd



The future empowers us.

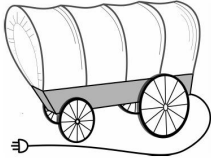





We live on earth together, sharing its resources.

From educating and encouraging our customers to conserve, to using cleaner electric vehicle technology in our own operations, ComEd is meeting the environmental needs of our communities, today and tomorrow.

ComEd is proud to sponsor FVEAA.



FVEAA Business Members

<p>Pioneer Conversions, L.L.C.</p>  <p>Your local WarP motor dealer Custom Electric Vehicle Conversions</p> <p>12305 S. New Ave. Suite N Lemont, IL 60439 (630) 243-6616</p> <p>pioneerconversions.com</p>	
<p>Netgain Motors, Inc.</p>  <p>NetGain Motors, Inc.</p> <p>Exclusive worldwide distributor of WarP™, ImPulse™, and TransWarP™ electric motors for use in electric vehicles and electric vehicle conversions.</p> <p>900 N State St, Suite 101 Lockport, IL 60441 630-243-9100 Fax: 630-685-4054</p> <p>www.go-ev.com</p>	 <p>Bob's Hillview Auto</p> <p>"Good Service For A Long Time"</p> <p>Gas · Hybrid · Electric</p> <p>847-842-9543</p> <p>4c Hillview Dr. Lake Barrington, IL 60010 bobshillviewauto@gmail.com Bob Baker Owner</p>
 <p>Harris Precision Tools, Inc.</p> <p>Harris Precision Tools Robert Harris 10081 Anderson Ave Chicago Ridge, IL 60415 Phone: 708-422-5808 Email: harrisprecision@comcast.net</p>	<p>Aerotecture International, Inc.</p> <p>www.aerotecture.com</p>  <p>Blending aerodynamics and architecture to produce on-site wind energy in urban areas.</p> <p>3035 N Rockwell St Chicago, IL 60618</p> <p>773-604-4300 info@aerotecture.com</p>
<p>Ecological Products Company, Inc. Glenn Hunter 739 N Elmwood Oak Park, IL 60302 Phone: 708-445-0341 Email: info@illinoiselectricvehicles.com Web: www.illinoiselectricvehicles.com</p>	<p>Plug-In Vehicle Solutions, Inc. Mike Piscitelli 1104 Coventry Circle Glendale Heights, IL 60139 Cell: 630-248-8810 Email: mpiscitelli@getplugging.com Web: www.getplugging.com</p>
<p>The Solar Electric Vehicle Company Bob Kopach 3100 Dundee Rd Northbrook, IL 60062 Phone: 847-656-8100 Email: bob@solarevco.com Web: www.solarevco.com</p>	<p>Carbon Day and Carbon Day Automotive Brian Levin Cell 847 903 6652</p>  <p>Email: brianl@carboday.com Web: carbodayautomotive.com</p>