

**IEEE Oakland/East Bay  
Life Members Affinity Group  
Background and History**

**Dr. Charles Herget,  
Chair IEEE OEB LMAG**

**The Englander Sports Pub & Restaurant  
San Leandro, CA**

**Wednesday, May 13, 2015**



# ORGANIZATION OF IEEE

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**Educational Activities**

**IEEE USA**

**Publications Board**

**Standards Association**

**Member and Geographic  
Activities Board  
(formerly Regional Activities  
Board)**

**Technical Activities**

**Regions  
Sections  
Chapters  
Affinity Groups**

**38 Societies**

**7 Technical  
Councils**

**2 Technical  
Committees**

# Oakland/East Bay Life Members Affinity Group

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Authorized by IEEE effective June 4, 2010

Requirement to form an Affinity Group: Submission of a petition with signatures of six members of the section who agree to join the Group.

Person submitting the petition is appointed the chair until replaced by election.

## Original Officers

Chair: Charles Herget  
Vice Chair and  
Secretary: Roy Merrill  
Treasurer: Larry Moon

## Current Officers

Chair: Charles Herget  
Vice Chair and  
Secretary: Ron Pratt  
Treasurer: Larry Moon

Finances: The section gave the Group a donation of \$500 at startup. The IEEE Life Members Organization reimburses the Group for expenses up to \$1,000 per year.

# Meetings

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Topics of Life Members Meetings do not have to be only on technical issues like those of chapters. In addition to technical talks, the topics can address issues of the day. Meetings may also be held just for social purposes.

The officers of the OEB LMAG tried to invite speakers to talk on issues of current interest, especially **Issues in Education, Environment, and Energy (IEEE)**.

# Summary of Meetings

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## Environment

**Date:** Tuesday, November 16, 2010

**Speaker:** Albert G. Engelhardt

President and CEO Enfitek, Inc

Region 6 IEEE Life Members Affinity Group Coordinator

**Title:** An Iconoclast Revisits Climate Change:

**Subtitle:** Climate Change, Some Pleasant Truths

**Date:** Tuesday, May 10, 2011

**Speaker:** Benjamin D. Santer

Program for Climate Model Diagnosis and Intercomparison

Lawrence Livermore National Laboratory

**Title:** How do we know that human activities have affected global climate?

## Meetings Summary (cont.)

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### Environment (cont.)

**Date:** Monday September 16, 2013

**Speaker:** Donald Anthrop  
Professor Emeritus  
Department of Environmental Studies  
San Jose State University

**Title:** Many Uncertainties About Climate Change  
(Joint Meeting with IEEE Santa Clara Valley Life Members  
Affinity Group)

**Date:** Wednesday, October 15, 2014

**Speaker:** Dr. Jim Steele  
San Francisco State University

**Title:** Climate Change: Reasons for More Debate and More  
Optimism

## Meetings Summary (cont.)

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### Environment (cont.)

**Date:** Wednesday, September 17, 2014

**Speaker:** Dr. Michael Stadermann  
Lawrence Livermore National Laboratory

**Title:** A Perspective on Desalination

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### Education

**Date:** Tuesday, March 8, 2011

**Speaker:** Art Krakowsky  
Retired, Lawrence Livermore National Laboratory

**Title:** TOPS: A Program to Increase Elementary (K-8) Student Science Achievement with Retired Scientists and Engineers

## Meetings Summary (cont.)

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### Education (cont.)

**Date:** Saturday, October 13, 2012  
**Speakers:** IEEE 2012 President-elect, Peter Staecker  
IEEE VP Educational Activities, Michael Lightner  
others  
**Title:** Forum on Motivating Our Students to Become Engineers  
How To Make It Happen  
(Joint Meeting with IEEE Santa Clara Valley Life Members  
Affinity Group)

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### Energy

**Date:** Monday, November 7, 2011  
**Speaker:** Dr. Edward Moses  
Director, National Ignition Facility  
Lawrence Livermore National Laboratory  
**Title:** LIFE: Fusion Energy Soon Enough To Make A Difference  
(Joint Meeting with IEEE Santa Clara Valley Life Members  
Affinity Group)

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## Meetings Summary (cont.)

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### Energy (cont.)

**Date:** Tuesday, March 13, 2012

**Speaker:** Bill Halsey  
Associate Program Leader for Advanced Nuclear Energy,  
Lawrence Livermore National Laboratory

**Title:** So - What About Nuclear Energy?

**Date:** Monday, April 30, 2012

**Speakers:** Marc Tarpenning and Martin Eberhard  
Founders of Tesla Motors

**Title:** The Drive for Electric Vehicles  
(Joint Meeting with IEEE Santa Clara Valley Life Members  
Affinity Group)

## Meetings Summary (cont.)

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### Energy (cont.)

- Date:** Wednesday, November 14, 2012  
**Speaker:** Prof. Donald Anthrop  
Retired, San Jose State University  
**Title:** Fuel Cells, Hydrogen and the California Carbon Mandate
- Date:** Wednesday, March 20, 2013  
**Speaker:** Prof. Jasmina Vujic  
Department of Nuclear Engineering  
University of California, Berkeley  
**Title:** The Latest State of the Art in Nuclear Power
- Date:** Wednesday, November 20, 2013  
**Speaker:** Dr. Alexander Cannara  
Cannara Consulting  
**Title:** Molten Salt and Thorium Power (MSR)

## Meetings Summary (cont.)

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### Energy (cont.)

**Date:** Wednesday, March 19, 2014

**Speaker:** Dr. Robert M. Moore

**Title:** Fuel Cell Vehicles - What's Up?

**Date:** Wednesday, April 16, 2014

**Speaker:** Dr. Timothy Lipman

Co-Director, University of California, Berkeley, Transportation  
Sustainability Research Center

**Title:** Hydrogen Fueling Stations for Fuel Cell Vehicles  
Status of Recent California and International Efforts

**Date:** Wednesday, May 21, 2014

**Speaker:** Dr. Timothy Lipman

Co-Director, University of California, Berkeley, Transportation  
Sustainability Research Center

**Title:** Tour of Richmond Field Station UC Berkeley  
/Toyota Hydrogen Fueling Facility

## Meetings Summary (cont.)

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### Energy (cont.)

**Date:** Wednesday, November 12, 2014  
**Speaker:** Dr. David Reichmuth  
Senior Engineer Clean Vehicles Program  
Union of Concerned Scientists  
**Title:** Electric Vehicles in California: Charging Ahead to 1 million EVs

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### Other

**Date:** Monday May 13, 2013  
**Speaker:** Paul Wesling  
Life Fellow of the IEEE  
IEEE SF Bay Area Communications Director and Webmaster  
**Title:** The Origins of Silicon Valley:  
Why and How It Happened Here  
(Joint Meeting with IEEE Santa Clara Valley Life Members  
Affinity Group)

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# Next Meeting

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Mark the date:

**Friday, September 11, 2015**

**11:00 AM to 12:00 Noon**

**Tour of Lawrence Livermore National Laboratory  
National Ignition Facility**

**12:30 PM to 1:30 PM**

**Lunch and Business Meeting  
Applebees'  
Livermore**

Watch our web site:

[www.IEEE4Life.org](http://www.IEEE4Life.org)



# Next

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## Open Discussion

**Moderator:**  
**Dr. Les Besser,**  
**IEEE Life Fellow**

### Possible Topics:

- Type of Meetings:** technical, social, tours
- Meeting Topics:** technical, general interest
- Time of Day :** evening or luncheon
- Day of the Week:** any preference
- Location:** Livermore Valley, East Bay, Berkeley, Walnut Creek