

The Day Before The Day Before The World Ends
Social Mixer hosted by the Buenaventura IEEE
December 19th 6-9pm Los Robles Greens Clubhouse

Montage: Tom Campbell, MTTTS Chair

END OF THE WORLD

December 21, 2012 at 11:11 UTC

???????

I only had enough room to go up to 2012.

Ha! That'll freak somebody out someday.



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DAN
BIZARRO

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Theories

1. A galactic alignment which would create chaos on Earth because of the gravitational effect between the Sun and the Black hole called Sagittarius A, which is located at the center of our galaxy
2. A 'polar shift' - reversal of the north and south magnetic poles. Scientists believe that the Earth is overdue for a geomagnetic reversal. However this can take up to 5,000 years to complete

Answers

- Scientists say no planetary alignments will occur in the next few decades. But even if they did, the effects on our planet would be negligible
- NASA states that the 'polar shift' theory is totally impossible. Although continents move slowly throughout time, a magnetic reversal is very unlikely to happen in the next few millennia and wouldn't cause any harm to life on Earth
- The scientists conclusion is that the end of the Mayan calendar does not imply the end of the world, only the end of the Mayan long-count period

Local Reaction

Los Angeles survival groups brace for Dec. 21, 2012 and beyond:

A Los Angeles-area survival group has actively recruited people with specific skills in the past few months, tying its disaster preparedness effort to Dec. 21. The founder, A.B. (who asked to remain anonymous), doesn't necessarily believe the prediction, but he's certain that something will happen eventually. "There's so many different scenarios, there's so many things that could possibly go wrong," he said.

Overseas Reaction

- French officials ban access to sacred mountain which believers claim will be refuge from 'Mayan Apocalypse' on December 21
- Alarm of a Mayan-predicted doomsday on December 21 has led French police to ban access to a southwestern mountain from doomsday preppers, New Agers and even journalists

Our Answer



**Drink tickets
available**

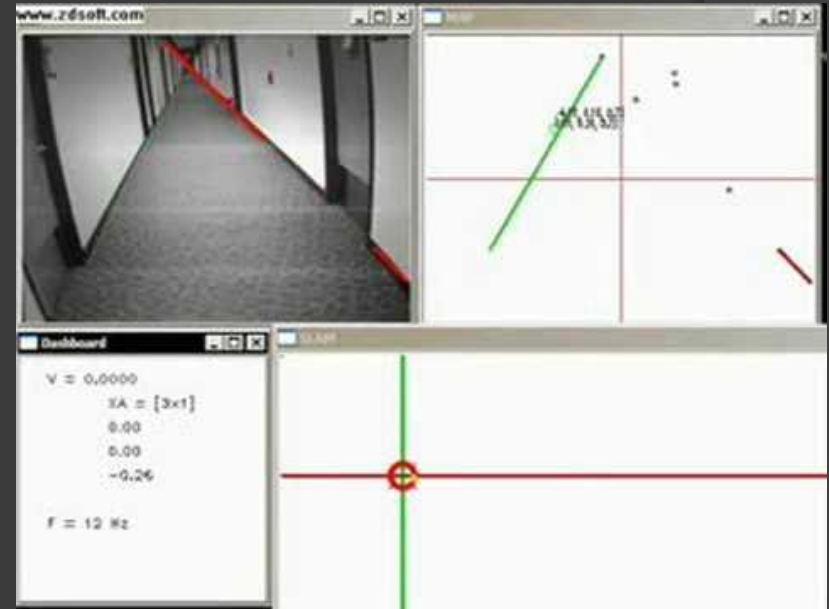
Thank You 2012

- Thank you for making 2012 a terrific year for the IEEE and the Buenaventura Section
- The following review shows a few of the many 2012 presentations and events...

<http://ieee-bv.org/>

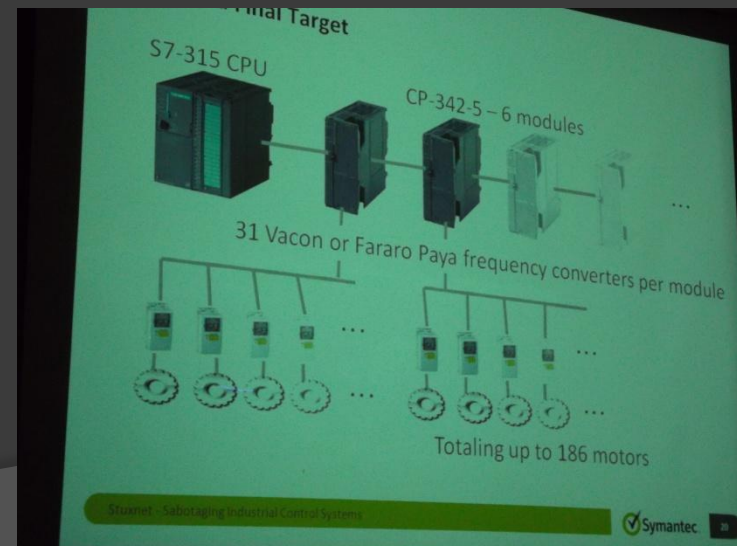
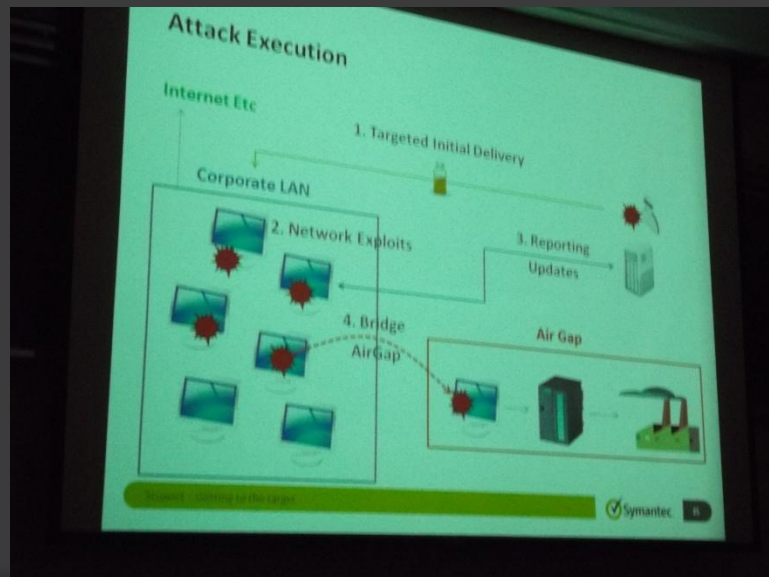
Jan: Distinguished Speaker

- Dr. Arun K. Somani, Iowa State U.
- *Autonomous Aero-Visual and Sensor-based Inspection for Power Grid and Asset Monitoring*
- Joint SFV-BV Sections CommSocs



Feb: Stuxnet Computer Virus

- ◉ Liam O'Murchu, Symantec
- ◉ *Analysis of the Stuxnet Computer Worm*



Feb: Leap Year



Mar: VC Science Fair 2012

- First Place: Anthony Khodanian
- Junior @ Foothill Technology School
- “A Computer – From Scratch!”
- 4-bit ALU built from discrete gates



VC Science Fair 2012

- Second Place:
Lindsey Hulsebus
- Junior Villanove HS
- “Forget Me Not”
- iPad app for
Alzheimer patients
and their caregivers



VC Science Fair 2012

- 3rd Place: Ben Barad
- 8th Grade Lindero Canyon School
- “ReMynder Binder”
- PHP/MySQL app to coordinate assignments and calendars between teachers and students



VC Science Fair 2012

- ◎ 4th Place: Derek Busch
- ◎ 8th Grd Phoenix Ranch Middle School
- ◎ “The Speed of Light: Explore Solar Energy with a Supercapacitor Car Motor”
- ◎ Tested how far a solar charged capacitor would drive a model car to see if capacitors could replace batteries.

VC Science Fair 2012



Michael, Doug Askegard, Lindsey, Karl Geiger, Ben, Momin Quddus



According to the Mayan Calendar
The world is ending this month.
Fortunately, the Oreo cookie says
not to worry.

www.kevinharville.com

Apr: EMBS

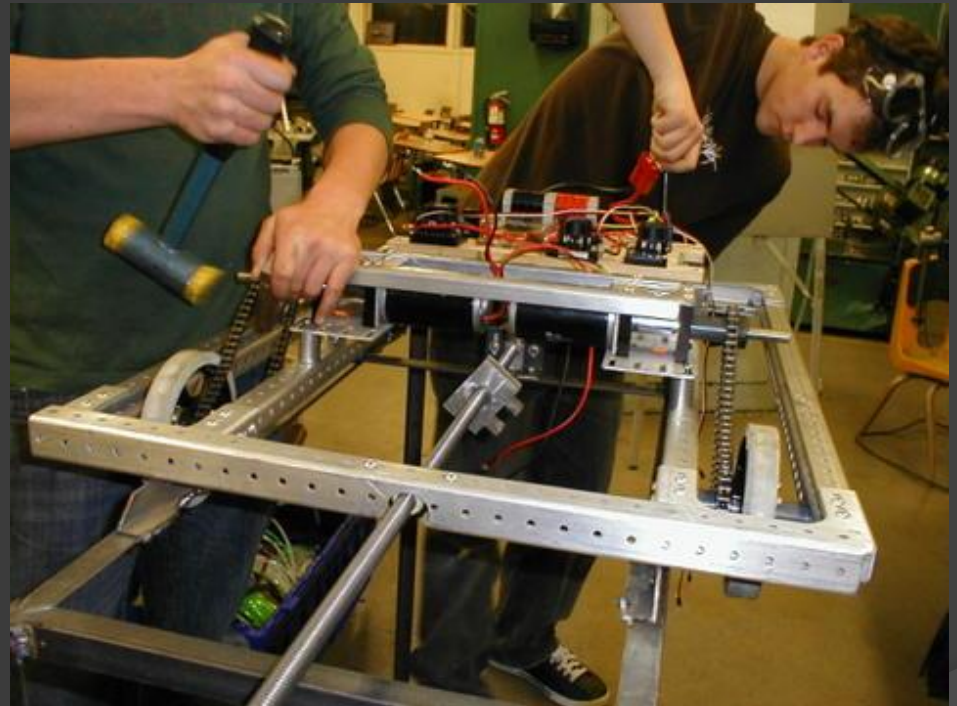
- ⦿ Andreas Bieszczad,
CSUCI
- ⦿ *Brain Machine
Interfaces*

<http://embs.ieee-bv.org/>



May: FIRST Robotics

- Chuck Seabury & Conejo Robotics Team
- FIRST Robotics – High Velocity Engineering
- Help sponsor the team in 2013!



June: Sensing

- Dr. Emilio Sovero,
Waveconnex Inc
- ***An Introduction to
Compressive Sensing
and its Applications***



July: Energy

- Momin Quddus, JPL
- *Facts and Fictions about Alternate Energy*



July: Senior Elevation Clinic

Organizers:

Christian Ziegler, Bridge Carney,
Zak Cohen

Volunteers/Interviewers:

- **Doug Askegard** (Life Senior)
- **Zak Cohen** (Senior)
- **David Collins** (Life Senior)
- **Karl Geiger** (Senior)
- **John Higgins** (Life Fellow)
- **Don Hilliard** (Senior)
- **Wesley Holser** (Senior)
- **Jerry Knotts** (Life Senior)
- **Lester Kozolwski** (Senior)
- **Aleksander Mladenovic** (Senior)
- **Mehran Mokhtari** (Senior)
- **David Standley** (Senior)
- **Habib Taouk** (Senior)
- **David Vivieros** (Senior)
- **Richard Walton** (Life Senior)
- **John Wright** (Life Senior)

July: New Senior Members

- Myung-Jun Choe
- Guy De Burgh
- Michael Ellis
- Subhash Hegde
- Max Helix
- Andre Hendarman
- Atul Joshi
- James Leatham
- David Lott
- Emanuele Mandelli
- Scott Myers
- Anthony Ng
- Mike Nicholls
- Yuri Owechko
- Authi Narayanan
- Daniel Rosen
- Tyson Salewske
- Steve Sereboff
- Yuriy Shlepnev
- Mohammed Tehrani
- M J Zielinski

Aug: Entrepreneurship

- ⦿ Jerry Knotts, LMAG
- ⦿ *Entrepreneurship*
- ⦿ How to be a technology entrepreneur and start your own company. Jerry reviewed how he became an entrepreneur and provided detailed guidance on how to start your own business.



Sep: Dark Matter

- Dr. Jason Rhodes,
JPL
- *Weak Gravitational
Lensing: the Ideal
Probe for Dark Matter
and Dark Energy*



Oct: EES 2012

- Dr. Rajit Gadh, UCLA SMERC
- Jim Zuber, CTO Quality Logic
- Tim McGrath, Channel Islands BioEnergy



Dr. Rajit Gadh

- Full presentation video online at
 - <http://www.ieee-bv.org/2012/10/2012-energy-efficiency-symposium-presentations/>
 - Thanks to Andre Hendarman for video production

EES 2012

Sponsors and Supporters

- B&R Automation
- Clean Business Investment Summit
- Greentech Motors
- Johanson Technology
- Maverick Angels Investments
- QualityLogic
- Sauer Energy
- SoCalEdison
- SolarWorld
- Titan LED

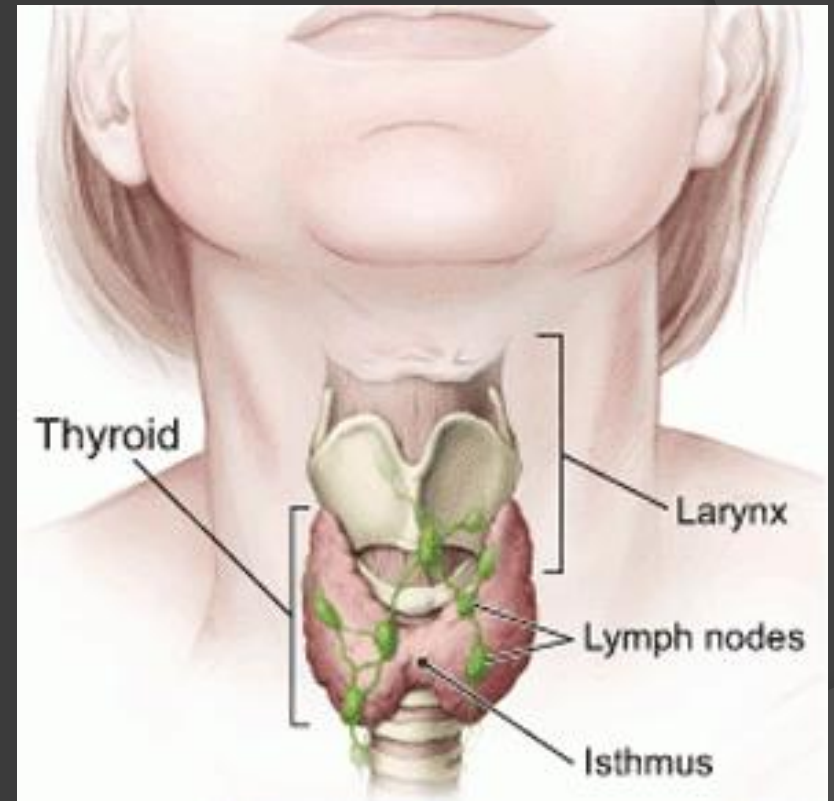
October: Mars Rover

- Fernando Abilleira, JPL
- *Mars Science Laboratory/Curiosity Rover: The Road to a Successful Landing on Mars*



Nov: Surgical Tools

- Dr. J. Lee Rea
- *Virtual Surgical Nerve Location by Electromyography*
- Avoid loss of speech due to damage of nerve controlling the larynx during thyroid surgery



MISSED!

China's
Chang'e-2
probe made a
spectacular fly-
by of asteroid
Toutatis
December 13.

No planets
were hit.



Thanks to our Supporters

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- Vitesse Semiconductor
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- IEEE

Do more with IEEE BV Section in



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