



# NIKOLA TESLA

## Energy Independence Celebrations

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

Tesla Energy Independence Celebrations 2010 conference  
Philadelphia, PA

July 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup>

## General Schedule of Events:

### TESLA BIRTHDAY BASH

**July 9<sup>th</sup>, 8 pm - 2 am**  
Independence Visitor Center, 6<sup>th</sup> & Market Streets  
(Free Event)

### EXHIBITS, VENDORS & MUSIC

**July 10<sup>th</sup>, 10 am - 8 pm**  
Independence Visitor Center and outdoor visitor park area, 6<sup>th</sup> & Market Streets  
(Free Event)

### PRESENTATIONS & LECTURES

**July 10<sup>th</sup>, 10 am - 5 pm**  
Free Library of Philadelphia, 1901 Vine Street  
(Free Event)

### RECEPTION DINNER & CONCERT

**July 10<sup>th</sup>, 5pm - 11 pm**  
Featuring [\*The Divine Hand Ensemble\*](#)  
Arch Street Meeting House  
320 Arch Street  
(Admission Fee \$20)

### TESLA SCIENCE CONFERENCE

**July 10<sup>th</sup> & 11<sup>th</sup>, 8:30 am – 5:30 pm**  
Two Liberty Place, 32nd Floor  
1601 Chestnut Street  
(Registration Fee \$110)

### TESLA COIL COMPETITION AND EXHIBITION

**July 9<sup>th</sup>, 6 pm & July 10<sup>th</sup>, 10 am**  
Independence Hall outdoor visitor park area, 6<sup>th</sup> & Market Streets  
(Registration Fee \$20 - Enter to win \$200!)



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## Registration and Hotels

<b>Registration</b>	<p>To register for the technical speakers conference on July 10<sup>th</sup> and 11<sup>th</sup>, use the following link, <a href="http://www.eventbee.com/member/CyberTeaming/event?eventid=771900362">http://www.eventbee.com/member/CyberTeaming/event?eventid=771900362</a></p> <p>To RSVP for the free open public events on July 9th and 10th, use the following link, <a href="http://www.eventbee.com/member/CyberTeaming/event?eventid=720825263">http://www.eventbee.com/member/CyberTeaming/event?eventid=720825263</a></p> <p><b><i>For late comers:</i></b> At the day of the event (Saturday/Sunday), registration for the Science Conference can be done at Liberty 2. Admission is \$110 for both days, or \$80 for one day. Student registration with a valid student ID is \$55 for both days. Cash is preferred, but paypal or credit card payments are acceptable.</p> <p>Entry admission for the Tesla coil contest on Friday night will be done at Independence Mall. Entry fee for the contest is \$20. It is free to view.</p> <p>Admission for the Reception dinner and concert will be done at 320 Arch St. Cost is \$20.</p> <p>Lectures given at the Free Library are free.</p>
<b>Hotel</b>	<p>There are various hotels in the local area that can meet your specific needs. The recommended hotel that is conveniently located to the conference event areas is:</p> <p><b>Holiday Inn</b> 400 ARCH ST PHILADELPHIA, PENNSYLVANIA 19106 [I-95 N, CALLOWHILL EXIT. FOLLOW CALLOWHILL TO 4TH ST., TURN LEFT. HOTEL ON CORNER OF 4TH AND ARCH. I-95 S, VINE ST. EXIT. TAKE VINE ST. TO 4TH ST. AND MAKE A RIGHT ON 4TH ST. HOTEL ON CORNER OF 4TH]</p> <p>See (<a href="http://www.holidayinn.com/hotels/us/en/philadelphia/phlim/hoteldetail">http://www.holidayinn.com/hotels/us/en/philadelphia/phlim/hoteldetail</a>)</p>



### Schedule Details

## Tesla Birthday Bash

Friday Night

Location: Independence Hall outdoor visitor park area, 6<sup>th</sup> & Market Streets

Time	Event
Multiple Times	Tesla Birthday Celebration, PsiTrance Rave music, DJ music, speakers

## TESLA COIL COMPETITION AND EXHIBITION

### Special Events:

#### Tesla Coil Competition and Display

Open invitation to all Tesla coil enthusiasts to meet and explore the community of Tesla technology experimentation at its very best.

July 9, 2010 at 6pm to July 10, 2010 at 12am – Independence Hall park area, Philadelphia, PA (Entry Fee: \$20)

Register your Tesla coil in this event for a chance to win \$200

Time	Event
5-6PM	Setup
6PM – 8PM	Tesla coil contest entries must be present to setup their coils (toward Market street side of park where the music stage is labeled on the map – see elsewhere) \$20 entry fee for competitors. Free to view.
8PM – 11PM	Tesla coil contest with many demonstrations
11PM	Contest winners announced
11:30PM-12AM	Firing of Tesla coils to commemorate Tesla's birthday
12AM – 1AM	Tear down and removal of all Tesla coils

For more details on the Tesla coil competition, see the last page of this handout.



## EXHIBITS, VENDORS & MUSIC at the Independence Hall

Saturday, July 10<sup>th</sup>, 2010

**Location:** Independence Hall outdoor visitor park area, 6<sup>th</sup> & Market Streets

Time	Event
8AM to 10AM	Vendors set up
All day	Music and speakers
See online schedule at <a href="http://Evolver.net">Evolver.net</a>	Open lawn discussion of social and spiritual related topics to energy technology and sustainability  <u><a href="#">Evolver Discussion Forum</a></u> : Hosted by <u><a href="http://Evolver.net">Evolver.net</a></u>
All day	On the edge of market street side of the event - the EEVC(Eastern Electric Vehicle Club) displaying their member's modified electric cars (and also the Tesla car)
All day	Wardenclyffe Tower Tesla coil scale model on display
Multiple times	Videos running:  <b><i>Who Killed the Electric Car?</i></b>



### PRESENTATIONS & LECTURES at the Free Library of Philadelphia

Saturday, July 10<sup>th</sup> , 10 am - 5 pm, Free Library of Philadelphia, 1901 Vine Street (Free Event)

9:00 AM - 10:00 AM	<b>Setup</b>
10:00 AM - 10:05 AM	<b>Welcome &amp; Introduction</b>
10:05 AM - 10:35 AM	<b>Brian Yetzer &amp; Jim Jenkins</b> Tesla 3D Invention Modeling Educational Collaboration
10:40 AM - 11:20 AM	<b>Michael Craner</b> Co-founder, Renew America Roadtrip(tm) - "Driving America Green!" His talk will be on the <i>Renew America Road Trip</i>
11:25 AM - 12:10 PM	<b>Michael Treat</b> Fundamentals of atmospheric electricity, concepts of Nikola Tesla.
12:15 PM - 1:00 PM	<b>Mano Divina</b> Theremin instrument and its relation to Tesla technology and the science of music through the equivalent circuit of hand capacitance.
1:00 PM - 1:40 PM	<b>Lunch Break</b>
1:45 PM - 2:30 PM	<b>Tatjana Miletic</b> Tesla in Philadelphia, at Present and more than Century Ago
2:35 PM - 3:20 PM	<b>Michael Kelly</b> Electromagnetic healing techniques and their relationship to Tesla resonant technologies
3:25 PM - 4:10 PM	<b>Russel Anderson</b> Electrogravitics, energy-efficient "antigravity" devices
4:10 PM - 4:40 PM	<b>Tesla Coil Demonstration</b>
4:40 PM - 5:00 PM	<b>Closing Auditorium</b>



## Tesla Scientific Conference – Day 1

Saturday, July 10

8:30AM to 5:30PM at Two Liberty Place, 32<sup>nd</sup> floor, 1601 Chestnut Street (\$110 registration)

Time	Event
8:30AM -9AM	Setup/Registration
9AM – 9:15AM	Opening comments: David Rosignoli (organizer)  Michael Riversong: Master of Ceremonies
9:15AM – 10AM	David Rosignoli: Bioelectromagnetic impacts of Tesla coils and other RF devices
10AM – 12PM	James Corum/Kenneth Corum/James Hardesty: Franklin, Loomis and Tesla- The Documented Evolution of Wireless Technology (with demo)
12PM – 1:30PM	Lunch break
1:30PM – 2:30PM	Marc Seifer: Tesla vs. Einstein
2:30PM – 3:30PM	Michael Treat: Atmospheric Electricity
3:30PM – 4:30PM	Tom Valone: Zero-Point Energy
4:30PM – 5:30PM	Panel Discussion #1: The Future of Energy (see Note *)

Note:

\*The panel discussion on the "Future of Energy" will involve some or all of the speakers, and have audience Q&A. David Rosignoli will be acting as moderator and devil's advocate.



## Reception dinner and Theremin concert, Featuring *The Divine Hand Ensemble*

Evening event reception event on Saturday, July 10<sup>th</sup>, 5PM to 11PM

Arch Street Meeting House, 320 Arch Street

### Special Guests

- Robert Uth, Director/Producer/Writer, New Voyage Communications: “TESLA, Master of Lightning”, a PBS documentary
- Marc J. Seifer, Ph.D. , Author: “Wizard: The Life & Times of Nikola Tesla”
- F.Milorad Orlic, Historian: Serbian culture and background
- Djerdj Matkovic, First Counselor of the Embassy of Serbia in Washington DC
- Prof. Brian Yetzer, The Art Institute of Philadelphia: Presentation of 3D modeling of Tesla inventions in collaboration with the University of Nis, Serbia and the Tesla Museum in Belgrade.

### MANO DIVINA , Guest Performer and speaker

Mano Divina is a professional concert Thereminist who performs classical compositions, chamber music, opera arias and sacred choral music with his 8-piece string ensemble. Mano will speak about the Theremin instrument and its relation to Tesla technology and the science of music through the equivalent circuit of hand capacitance. His website is [www.DivineHand.net](http://www.DivineHand.net).

### 9PM to 11PM, The Divine Hand Ensemble, Mano Divino - Concerto Thereminist

A fantastic concert that captures the imagination of electrical energy.

Saturday, July 10<sup>th</sup> at the Arch Street Meeting House (Price: \$20)

For additional information about the musical content and style reference [DivineHand.net](http://DivineHand.net)

### DJERDJ MATKOVIC, Special Guest

First Counselor of the Embassy of Serbia in Washington DC

Born on May 28, 1955 in Subotica, Serbia

1961 – 1969 Elementary Education in Subotica (Ivan Goran Kovacic Elementary School)

1969 – 1973 Secondary School in Subotica (Gimnazija Mosa Pijade) and in Belgrade (XIV Beogradska Gimnazija)

1973 – 1978 University of Belgrade Faculty of Law (graduated in International Law and International Organizations)

1980 – 1981 Served the Yugoslav National Army (JNA)

1981 – 1982 Junior clerk at the Ministry of Foreign Affairs of Yugoslavia



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1982 – 1986 Attaché and Third Secretary at the MFA (Directorate for neighboring countries)  
1986 – 1990 Third Secretary of the Embassy of Yugoslavia in Ottawa, Canada  
1990 – 1993 Chief of Cabinet of the Undersecretary of the MFA  
1993 – 1998 First Secretary of the Embassy of Yugoslavia in Harare, Zimbabwe  
1998 – 2001 Chief of Cabinet of the Assistant Foreign Minister at the MFA  
2001 – 2005 Minister Counselor, Deputy Chief of Mission of the Embassy of Yugoslavia (Serbia & Montenegro) in Budapest, Hungary  
2005 – 2006 Deputy Chief of Cabinet of the Minister of Foreign Affairs of Serbia & Montenegro  
2006 – 2007 Deputy Secretary General of the Ministry of Foreign Affairs of Serbia  
2007 to date First Counselor of the Embassy of Serbia in Washington DC, USA  
Language – Fluent in written and spoken Serbian English and Hungarian.  
Married, wife Vera and one son, Djerdj Jr.

### **ROBERT UTH, Guest Speaker**

Robert Uth, Director/Producer/Writer is the principal in New Voyage Communications a full service television production company in Washington, DC. He has worked as a director, producer, writer and editor for the past thirty years. In 1999, Uth formed New Voyage Communications to create and distribute full-length documentary programs for broadcast and cable television, the Internet, and the non-theatrical video market. The company also writes, packages and publishes major trade books. TESLA, Master of Lightning, a PBS documentary, companion book and website about the visionary scientist and inventor Nikola Tesla, premiered nationally December 12, 2000. It received a 2000 National Capital Region Emmy. Korean War Stories, a PBS Primetime Special that recounts the personal experiences of Korean War veterans, aired nationally on May 27, 2001. It received a 2002 National Emmy for "Outstanding Historical Documentary." The World War II Memorial: A Testament To Freedom, another PBS Primetime Special about the creation of the National World War II Memorial, premiered on May 31, 2004. This Cine Award winner was accompanied by an illustrated companion book, The World War II Memorial: A Grateful Nation Remembers, was published by Smithsonian Press. It was a Book of the Month Club selection. The March of the Bonus Army premiered as a PBS primetime special in May 2006 and was also a Cine Award recipient. Uth's most recent documentary, Hallowed Grounds premiered on PBS in May 2009 and tells the story of America's overseas military cemeteries. For more information on Robert Uth and New Voyage Communications, go to [newvoyage.tv](http://newvoyage.tv).

### **MARK SEIFER, Guest Speaker**

Marc J. Seifer, Ph.D. has been a Tesla expert for over 30 years. The subject of his doctoral dissertation, Dr. Seifer has lectured at every International Tesla conference held in Colorado Springs from 1984 until their last conference in 1996. He has also lectured on Tesla at Tesla conferences in Croatia, Serbia and Canada. With over 70 publications in such periodicals as *Wired*, *Civilization*, *Cerebrum*, *Engineering Dimensions*, *Hands On Electronics* and *Extraordinary Science*, Dr. Seifer has also appeared on the History Channel, NPR and Coast to Coast Radio. Featured in *The New York Times*, *Publisher's Weekly*, *New Scientist*, *Who's Who in the World*, *The Economist*, *The*



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*Washington Post* and *MIT's Technology Review*, he has lectured at the United Nations, Kings College Cambridge University, Oxford University, University of Vancouver, City College of New York, Long Island University, Brandeis University, Colorado College, and West Point Military Academy. His book *Wizard: The Life & Times of Nikola Tesla*, translated into Czech, Croatian, Serbian and Russian, often tracks as the #1 book in several subcategories on Amazon.com. *Wizard* has been called "Serious Scholarship" by *Scientific American*, a "Masterpiece" by Nelson DeMille and is "Highly Recommended" by the American Association for the Advancement of Science. His latest book on Tesla's most advanced theories on gravity, light and ether, *Transcending the Speed of Light: Quantum Physics & Consciousness*, has been called "An Epochal Achievement!" by Col. Tom Bearden. Dr. Seifer teaches courses on consciousness at Roger Williams University. **Tesla vs. Einstein** - Tesla expert and biographer, Marc Seifer will discuss Tesla's little known theory on gravity and the ether and its link to the God particle and Einstein's dream of Grand Unification.

### **DAVID VUICH, Event Host and speaker**

David Vuich has spent his career advising clients and top-level government officials in both Congress and the Executive Branch spanning the Carter through the Bush Administrations.

Mr. Vuich has compiled over thirty years experience in the defense, aerospace, security, and transportation-related industries and has held key executive positions with several leading U.S. and international firms. These positions included providing extensive congressional/legislative liaison services and domestic and international trade development expertise by coordinating and facilitating the program objectives of various government agencies, foreign governments, multinational corporations and countless non-governmental organizations.

As a professional staff member of the House Appropriations Subcommittee for Defense and Military Construction, Mr. Vuich acted as the principle advisor to the Committee Chairman, providing recommendations with respect to the obligation of funding for military equipment and services for the Department of Defense. In the private sector, he has been a lobbyist and consultant representing aerospace, environment, energy and transportation and security issues to include research support to key congressional committees related to airline/aviation safety and critical infrastructure protection.

Mr. Vuich is the co-founder and Chief Development Officer of American Military Housing Services, Inc., a non-profit special interest dedicated to providing affordable housing to our active duty military, guard, reserves, retired and disabled veterans by establishing Military Communities in close proximity to existing active military facilities. Mr. Vuich has been recently appointed as Co-Chairman of the HUD/Veterans Administration Task Force..

Mr. Vuich received his Bachelor of Science degree in Business Administration from Cerritos College and California State University at Fullerton and has completed his graduate studies at the University of Southern California, receiving a Masters in Business and Industrial Sciences.



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Tesla Science Conference – Day 2

**Sunday, July 11**

**8:30AM to 5PM at Two Liberty Place, 32<sup>nd</sup> floor, 1601 Chestnut Street (\$110 registration)**

<b>Time</b>	<b>Event</b>
8:30AM- 9AM	<b>Setup/Registration</b>
9AM – 10AM	<b>Jim Jenkins and Brian Yetzer: Tesla 3D Invention Modeling Educational Collaboration</b>
10AM -11AM	<b>Gary Peterson: The Tesla World Wireless Telecommunications System (with demo)</b>
11AM - 12PM	<b>Fran McCabe: Mechanics of Gyroscopic Motions</b>
12PM – 1:30PM	<b>Lunch-break</b>
12PM – 1:00PM	<b>Sraddhalu Ranade: Science and spirituality</b>
1:30PM – 2:30PM	<b>Richard Leshuk: Nikola Tesla, Charles Fort, and Ball Lightning</b>
2:30PM – 3:30PM	<b>Michael Craner: Examples and applications of Innovation Techniques to Ideation and Patenting</b>
3:30PM – 4:30PM	<b>Russell Anderson: History of Electrogravitics (with demo)</b>
4:30PM – 5:00PM	<b>Closing comments.</b>

**Notes:**

- Additional speaker: Tatjana Miletic: Tesla and Philadelphia
- All talks will be video recorded for later purchase
- Unless otherwise indicated, talks last 45minutes, followed by 10 minutes of questions, and 5 minutes for setup
- Proceedings of the conference will be available for purchase after the conference



## Speaker Biographies and Talk Abstracts

### Tesla Scientific conference Speaker Bios and abstracts (in alphabetical order)

#### Russell Anderson:

Mr. Russell Anderson has been a researcher in "antigravity" or gravity-control propulsion since 1982. He has done full-scale replications of Thomas Townsend Brown's electrogravity saucers and technology since the 1990s. He founded Applied Electrogravitics in 1999, and has published papers on his Award-winning Beamship™, the largest and most energy-efficient "antigravity" devices in the world today. He is currently engaged in building a 3-meter Inverse Gravity Vehicle, commissioned by Professor Searl. He will be lecturing on the **History of electrogravitics** and demonstrating a levitating Beamship™.

#### Dr. James F. Corum

(b. 1943, Natick, MA); Ph.D. in Electrical Engineering (The Ohio State University, 1974); MSEE (Ohio State, 1967); BSEE (Lowell Tech. Inst. 1965).

Dr. Corum began his professional career as an electronic engineer at the National Security Agency. Subsequently, he taught at several academic institutions and conducted research in electronics (antennas and RF), physics (radio astronomy, electrodynamics, general relativity), and mathematics (differential geometry and non-Riemannian manifolds). He was an Associate Professor of Electrical Engineering at West Virginia University, a Professor of Physics and Applied Mathematics at Ohio Institute of Technology, and a Senior Research Scientist at the Battelle Institute (Columbus, Ohio). He was Chief Scientist for Science Applications Research Associates (Huntington Beach, CA), and Chief Scientist for the Institute for Scientific Research (Fairmont, WV). He presently serves as President and Chief Technical Officer for National Electrodynamics.

Dr. Corum is a Life Senior Member of the IEEE (S '62, M '70, SM '89, LSM '08), an Emeritus Member of the American Association of Physics Teachers, a member of  $\Sigma\chi$ , and listed in *Who's Who in Engineering*, *American Men and Women of Science*, and a dozen other biographical dictionaries. He has published over 100 technical papers and several monographs. He is the inventor of the *cross-wound* and *contra-wound toroidal helix antennas* (1972) and holds five patented RF inventions (with six more patents pending on a *Ring Power Multiplier* for the national power grid).

Continuously licensed for 54 years he is a Life Member of ARRL and QCWA. Dr. Corum was invited as a guest of the Russian Academy of Sciences in Moscow for his work on ball lightning (which was published in the Russian journal *Uspekhi*), and as a guest of the Serbian Academy of Sciences and Arts for his work in high voltage RF. Additionally, he has lectured at UC Berkeley, Imperial College (London), and Belgrade University (Yugoslavia). He has consulted for DoD (DARPA, AFOSR, NEODTC, ARO, DIA, IDA), NASA, NIOSH, DOE and many others on topics associated with RF and electromagnetics: ball lightning, antennas, radio ground wave propagation, and satellite



communications, as well as electrical history, Nonlinear Oscillations, and General Relativity (manifolds with anholonomy and torsion).

While serving as study manager for the DARPA National Panel of Radar Experts in 1990, Dr. Corum was cited as a "National Treasure" by the Office of the Secretary of Defense. The recipient of many research, industrial, teaching and alumni awards, his engineering practice has taken him around the globe from Moscow, Russia to Kwajalein Atoll.

### **Kenneth L. Corum**

(b. 1954, Woburn, MA) holds a B.A. in Physics from Gordon College (1976) and attended graduate school in Electrical Engineering at the University of Massachusetts.

After graduating from Gordon, Mr. Corum taught high school Physics and General Science in Massachusetts. Subsequently, he entered private industry and taught computer electronics, digital techniques, and software engineering for Compugraphic Corporation, ATEX/Kodak, and Sun Microsystems in England, France, Germany, Switzerland, the Netherlands, Russia, and across the US. He was also employed by the Microwave Semiconductor Division of Varian Associates in Beverly, MA where he developed Schottky diodes, IMPATT oscillators, and other microwave RF semiconductor devices. Mr. Corum was Director of the Commercial Satellite Division of Pinzone Communications in Cleveland, OH. He was a software consultant with Hewlett-Packard, and is currently Staff Consultant for Sun Microsystems in Burlington, MA.

Mr. Corum is the discoverer of the *modulated common-mode RF-backscatter phenomenon from baseband differential-mode nonlinear targets*. His fundamental work on high voltage directed discharges and the laboratory generation of ball lightning on demand has been published in Russian by the Soviet Academy of Sciences. He spoke by invitation in Novi Sad and in Belgrade as a guest of the Serbian Academy of Sciences and Arts in 1993. He is the recipient of many industrial awards. Mr. Corum has co-authored six technical books and published more than sixty scientific papers (mostly on antennas and RF technology) and dozens of training manuals for the short courses which he has taught over the years. He is listed in *American Men and Women of Science*, and several other biographical dictionaries.

### **Michael L. Craner**

Co-founder, Renew America Roadtrip(tm) - "Driving America Green!"

His talk will be on **Examples and applications of Innovation Techniques to Ideation and Patenting.**

### **James M. Hardesty**

(b. Philadelphia, PA, 1945); B.A. in Linguistics (La Salle College, 1967); M.A. in Chinese Language (Seton Hall University, 1969); Ph.D. program in Chinese Art and Archaeology, unfinished (Princeton University, 1969-72).

Mr. Hardesty has been building and experimenting with scientific instruments since childhood, and in 1985 founded PV Scientific Instruments, LLC, a resource for educators, experimenters, and collectors interested in the



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early scientific history of electricity, magnetism, and wireless communication. This company provides museums, educational institutions, laboratories, and private individuals with historically accurate working reproductions of classical scientific instruments used to experiment with electricity and magnetism, including wireless instruments such as crystal and regenerative radios made with original antique and vintage parts. The company also offers reprints of books on related scientific topics. To bring these objects to life, Mr. Hardesty often presents lecture-demonstrations of his instruments to audiences of all ages and levels of scientific knowledge. Among the most popular of these are his lecture-demonstrations on the scientific history of the x-ray and on the scientific history of wireless. Mr. Hardesty draws young people into the world of scientific experimentation through his radio building programs. The goal of PV Scientific Instruments is to keep the thrill of the history of science alive for all.

Since 1981, Mr. Hardesty has been lecturing at Cornell University, covering various specialties in arts and science. He serves as Resident Artist at Cornell's Herbert F. Johnson Museum of Art, where he offers many programs in Chinese Painting and Calligraphy. Five of Mr. Hardesty's paintings are included in Cornell's permanent collection of Asian art. He also teaches the art of Chinese calligraphy to students in the Department of Asian Studies, where his calligraphy is used as a logo for the FALCON Chinese Language Program. Mr. Hardesty is frequently welcomed as a guest lecturer in both the Physics Department and the Department of Electrical and Computer Engineering, where a number of the instruments he has built reside. In the past few years, he has been involved in the conservation of antique scientific instruments used in those departments since their inception about 125 years ago, with a plan to create a museum displaying the University's contributions to science.

**The Corums and Dr. Hardesty** will be presenting a talk on the connection between Franklin, **Loomis and Tesla- The Documented Evolution of Wireless Technology**. Their talk would be 2 hours long and involve a demonstration. Their talk abstract follows:

*Philadelphia played a significant role in the lives of Benjamin Franklin (1706-1790), Mahlon Loomis (1826-1886) and Nikola Tesla (1856-1943): for it was there that these 3 men carefully detailed their astonishing discoveries of aerial electrical phenomena and declared their enchanting dreams of what was to come. [Franklin in 1749-53; Loomis on June 1, 1881; Tesla on February 24, 1893] With the advantage of modern radio science, we want to look back and examine their apparatus, experiments and discoveries, and demonstrate in clear perspective the vital electrosience contributions they each provided to the development of radio. Through them, we trace the common thread that has resulted in today's wireless revolution.*

*Dr. Franklin, who "snatched lightning from the sky and the scepter from the tyrant", not only investigated aerial electricity, giving us + and - for electrical symbols, but also formulated the great law of conservation of charge - perhaps the most fundamental principle of the universe.*



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*On July 30, 1872, Dr. Loomis received the first patent (“Improvement in Telegraphing”) for a complete RF transceiver system.\*\*\* This was a quarter century prior to Marconi’s initial radio patent [which, by the way, placed a coherer at precisely the wrong (low impedance) point!], and predates Marconi’s subsequent rotating magnetic RF detector by 30 years! Loomis’ ensuing voice modulated wireless transmissions, over a 20-mile propagation path, predate the Christmas 1906 amplitude modulation demonstration of Fessenden’s by 28 years! How was it possible for these startling results to have been obtained at that time? Is there a technical basis for this? . . . The simplest resolution is to build the equipment and actually perform the tests.*

*Sufficient historical documentation is available to reconstruct the apparatus employed by Loomis in his 19th century wireless experiments. His RF oscillator and detector have been assembled and the physical performance measured and documented using modern instrumentation and standard engineering techniques. Loomis’ results are supported by NIST-traceable field measurements: (1) The transmitter operation is plainly identified with Trichel pulse excitation of tuned resonators (operating near 500 kHz). (2) Loomis’ rotating magnetic detector was revealed to operate by the nonlinear process of incremental permeability, and his receiver architecture was discovered to be reasonably sensitive (approximately 300 microvolts). (3) During actual experiments, the measured field was determined to be inverse-distance and obeyed conventional Sommerfeld-Norton (FCC) ground-wave propagation. It is concluded that Loomis’ documented 19<sup>th</sup> century demonstrations (2 miles for the Navy; 18 miles for a Congressional delegation) were certainly attainable with the apparatus he describes in his notebooks.*

*The lecture will be accompanied by photographs of actual field-operated Loomis transmitters, link-budget analyses of Loomis’ 1866 demonstrations, an operating lecture room version of Loomis’ transmitter, and a working Loomis detector (for audience participation).*

*Using a Van de Graaff machine (or even Franklin’s electrostatic apparatus) we demonstrate RF oscillations in Franklin’s 1752 “Philadelphia Experiment”, radiation from Loomis’ transmitter (as assured in the footnote above by IEEE President Robert H. Marriott), RF detection and demodulation with Loomis’ 1868 receiver, and we trace Dr. Tesla’s distinct RF contributions through to their ultimate distillation in lumped-element, distributed-element, or mixed-element systems of 4 tuned circuits. The lecture/demonstration gives the audience the opportunity to see, in clear perspective, the evolutionary wireless contributions provided by the experiments of Franklin, Henry, Loomis, Helmholtz, Hertz, Lodge, Lecher, and Tesla, and the epoch making 20<sup>th</sup> century analytical solutions of Maxwell’s equations by Ze-neck and Sommerfeld.*

### **Jim Jenkins**

Mr. Jenkins earned a Bachelor of Science degree in Industrial and Systems Engineering from The Ohio State University and a Masters Degree in Education from the University of Pittsburgh. His passion is making connections

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\*\*\* An infrequently-touted rival patent by William Henry Ward (“Improvement in Collecting Electricity for Telegraphing”), preceding Loomis by some 90 days, had claims only for a segmented tower with swinging shutters for collecting atmospheric electricity from the wind! It had no points and launched no radio waves. Loomis’ wireless system was documented in his notebook entry of July 21, 1864, and was demonstrated “in the presence of eminent scientists” over an 18 mile path in October 1866.



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to K-12 education drawing on his experience in engineering, information systems and training development. As a former teacher in middle and high school, Jim continues to focus on making learning fun and accessible to all students. He will be giving a talk with Brian Yetzer (see below) on the **Tesla 3D Invention Modeling Educational Collaboration**.

### **Richard Leshuk**

Richard Leshuk has pursued a life-long interest in anomalous phenomena. Retired from IBM and residing in suburban Washington, DC, he currently teaches and consults in technology transfer. Other interests include the Inventors Network of the Capital Area.

Mr. Leshuk's talk will be on ***Nikola Tesla, Charles Fort, and Ball Lightning*** -

*Tesla can be described as an underappreciated, maverick visionary who pushed the limits of technology. An interesting parallel lies in the life Tesla's contemporary, the journalist Charles Fort. Fort, too, was an underappreciated, maverick who pushed the limits of science, albeit in the area of reporting. Both men are associated with the lore of ball lightning. This presentation examines the ball lightning phenomena along with the involvement of Tesla and Fort.*

### **Fran McCabe**

Mr. McCabe is a successful mechanical engineer with over 100 patents. He has had numerous technical papers and articles published, chaired 3 technical committees, and served on four board of directors. He has owned 3 manufacturing companies, including an R&D lab. His past hobbies has included flying airplanes, including two experimental ones, as well as researching gyroscopic motion including building over 25 such devices spanning several decades of research. His current position is as vice president of Advanced Development for Omni-wind Energy Co. Mr. McCabe will be presenting a talk **Mechanics of Gyroscopic Motions** on the fundamental mechanics of gyroscopic motions arrangements, inherent as physics building blocks-- as presented in several published papers.

### **Tatjana Miletic, Ph.D.**

Ms. Miletic received her Ph.D. degree in physics at Drexel University in 2009 and her B.S. degree in physics from the University of Belgrade in 2000. Her current research interest is experimental neutrino physics. She was a collaborator on KamLAND experiment from 2002 to 2009. Currently, she is a member of Double Chooz collaboration. The Double Chooz neutrino experiment is set up to investigate size of the last non-measured neutrino oscillation angle  $\theta_{13}$ . The Double Chooz will detect electron anti-neutrinos emitted by a nearby nuclear reactor. Once  $\theta_{13}$  angle is accurately measured, it will become the predecessor for experiments looking into CP violation in leptons and seeking the reason for matter dominated universe with neutrinos. Dr. Miletic's talk, time permitting, will be on **Tesla in Philadelphia, at Present and more than Century Ago**.

### **Gary Peterson**

Mr. Petersen has a long-term interest in Tesla's work in electrical power systems design and wireless telecommunications. In 1989 he spent two months at Climax Molybdenum Mine on Fremont Pass, Colorado



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assisting Robert Golka with research on the operation of a full-scale replica of Tesla's Colorado Springs magnifying transmitter. Since then he has pursued independent research into Tesla's World Wireless System including the collection of performance data on small-scale Tesla wireless system demonstration apparatus. In 1991 he founded 21st CENTURY BOOKS (<http://www.tfcbooks.com>) a one stop shopping website for Tesla books. He is a member of the TESLA MEMORIAL SOCIETY Chairmanship and is also associated with the TESLA WARDENCLYFFE PROJECT and the TESLA SCIENCE CENTER AT WARDENCLYFFE, formerly known as Friends of Science East, their joint mission being preservation of Wardenclyffe, Tesla's historic Long Island laboratory building and the establishment of a regional science and technology center and museum at that New York location. **The Tesla World Wireless Telecommunications System** - Mr. Petersen will lecture on Tesla's World Wireless System and show the transmission of electrical energy without wires by means of multiple concatenated tuned circuits using a small-scale Tesla wireless system demonstration apparatus. An abstract of his talk follows:

*"By the plan I had conceived, if it was realizable, it was just as easy to telegraph or telephone across the entire globe as it is across this room." – Nikola Tesla, 1916*

*Tesla is well known for his pioneering development of the 3-phase AC electrical power system and the reworking of his predecessor's primitive radio-frequency power supplies, ultimately providing mankind with the world's first practical system for broadcasting and wireless telecommunications. This presentation describes the development of some original electrical apparatus; from an early electric arc lighting system to his advanced global wireless telecommunications system. A small scale wireless transmission-reception system constructed after Tesla's original design will be demonstrated. Three different theories will be proposed to explain its operation.*

[END]

*At this time of accelerating hazardous circumstances, such as global climate change, various forms of environmental degradation and the depletion of petroleum reserves, a set of clearly defined comprehensive solutions is needed to overcome the present impasse of world-opposed thinkers and ideological dogmas. Planners, architects, and engineers must assume responsibility for our future well-being. Go to work and, above all, co-operate with one another, not holding back nor seeking personal gain at the expense of others, always heeding the infinitely accommodative synergetic laws of the "intellectual integrity governing universe" [Buckminster Fuller].*

*Tesla stood on the shoulders of those who preceded him, improving upon what had been done before and coming up with completely new and original ideas. We too must continually add to the existing accumulation of perpetual knowledge. This is the way to increase human energy.*

Tesla wrote,

*"A mass in movement resists change of direction. So does the world oppose a new idea. It takes time to make up the minds to its value and importance. Ignorance, prejudice and inertia of the old retard its early progress. It is discredited by insincere exponents and selfish exploiters. It is attacked and condemned by*



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*its enemies. Eventually, though, all barriers are thrown down, and it spreads like fire. This will also prove true of the wireless art." [POSSIBILITIES OF WIRELESS, New York Times, October 22, 1907, p. 8, col. 6.]*

*And be mindful of Tesla's words about how to reduce these forces retarding societal advancement.*

*"The force which retards the onward movement of man is partly frictional and partly negative. . . . ignorance, stupidity, and imbecility as some of the purely frictional forces, or resistances . . . visionariness, insanity, self-destructive tendency, religious fanaticism, and the like, are all forces of a negative character. . . .*

*"One can take preventive measures, can enlighten, convince, and, possibly direct him, turn his vice into virtue. . . . A negative force always implies some quality, not infrequently a high one, though badly directed, which it is possible to turn to good advantage. . . . Evidently, then, the first and general answer to the above question is: turn all negative force in the right direction and reduce all frictional force." [THE PROBLEM OF INCREASING HUMAN ENERGY, June, 1900]*

*Tesla also spoke of a, "fundamental law of motion, which commands acceleration and increase of momentum or accumulation of energy under the action of a continuously acting force and tendency, and is the more true as every advance weakens the elements tending to produce friction and retardation." [ON ELECTRICITY, January 27, 1897] The phenomenon of an increase in electrical activity in a helical resonator over time by the periodic application of transient primary impulses, which is employed by Tesla-coil hobbyists to produce big sparks, is key to the performance of the proposed Tesla World Wireless System as well.*

### **Sraddhalu Ranade**

Sraddhalu Ranade is a scientist, educator and scholar at the Sri Aurobindo Ashram where he grew up in the care of the late Sri M. P. Pandit. He is presently involved in the production of video programs based on India's cultural roots, and conducts teacher-training programs based on a soul-centered approach to education. He has conducted numerous intensive teacher-training workshops on Integral and value-based education all over India. Over 4,500 teachers from more than 200 schools and colleges have benefited from these programs. He has been involved in various research projects including artificial intelligence based on neural networks, multimedia search and retrieval, and educational tools. He is a frequent speaker at international conferences on science and spirituality and lectures around the world on the yoga teachings of Sri Aurobindo.

### **Michael Riversong**

Beginning in 1983, Mr. Michael Riversong has been deeply involved in energy research, and from 1990 he has been doing environmental consulting. This has resulted in many fascinating adventures. He has been in contact with many of the planet's best inventors and scientists. An able photographer and writer, he has documented many developments in these fields. Mr. Riversong runs the Tesla Academy (see <http://www.teslaacademy.info/>), which



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provides educational services relating to the study of research lines followed by Nikola Tesla and other historical inventors. Its purpose is to encourage the development of clean, safe, and useful advanced technologies based on these research lines. Mr. Riversong will be acting as Master of Ceremonies throughout the conference.

### **David Rosignoli, PE**

Mr. David Rosignoli, BSEE, PE, a licensed professional engineer with over 15 years professional experience, is an electrical engineer and avid researcher/experimentalist with an interest in anomalous and unconventional science and technology. He is a member of the NTIC/Tesla Science Foundation and assistant organizer of the Tesla Conference. Mr. Rosignoli will be presenting a talk on **Bioelectromagnetic impacts of Tesla coils and other RF devices**.

### **Marc Seifer, Ph.D.**

Marc J. Seifer, Ph.D. has been a Tesla expert for over 30 years. The subject of his doctoral dissertation, Dr. Seifer has lectured at every International Tesla conference held in Colorado Springs from 1984 until their last conference in 1996. He has also lectured on Tesla at Tesla conferences in Croatia, Serbia and Canada. With over 70 publications in such periodicals as *Wired*, *Civilization*, *Cerebrum*, *Engineering Dimensions*, *Hands On Electronics* and *Extraordinary Science*, Dr. Seifer has also appeared on the History Channel, NPR and Coast to Coast Radio. Featured in *The New York Times*, *Publisher's Weekly*, *New Scientist*, *Who's Who in the World*, *The Economist*, *The Washington Post* and *MIT's Technology Review*, he has lectured at the United Nations, Kings College Cambridge University, Oxford University, University of Vancouver, City College of New York, Long Island University, Brandeis University, Colorado College, and West Point Military Academy. His book *Wizard: The Life & Times of Nikola Tesla*, translated into Czech, Croatian, Serbian and Russian, often tracks as the #1 book in several subcategories on Amazon.com. *Wizard* has been called "Serious Scholarship" by Scientific American, a "Masterpiece" by Nelson DeMille and is "Highly Recommended" by the American Association for the Advancement of Science. His latest book on Tesla's most advanced theories on gravity, light and ether, *Transcending the Speed of Light: Quantum Physics & Consciousness*, has been called "An Epochal Achievement!" by Col. Tom Bearden. Dr. Seifer teaches courses on consciousness at Roger Williams University. **Tesla vs. Einstein** - Tesla expert and biographer, Marc Seifer will discuss Tesla's little known theory on gravity and the ether and its link to the God particle and Einstein's dream of Grand Unification.

### **Michael Treat, MD**

Dr. Treat is an educator, inventor, and entrepreneur, providing expert research knowledge for the Tesla Science Foundation. He is the founder and chairman of Robotic Systems & Technologies, Inc. and Associate Professor of Clinical Surgery (retired) at Columbia University. He brings a lifetime of industry and academic expertise to our programs. Dr. Treat is currently researching many of the patents and technology of Nikola Tesla. In particular, he is exploring the fundamentals of atmospheric electricity. His talk will be about **Atmospheric electricity**.



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### Dr. Tom Valone, PE

Dr. Valone is a physicist and licensed professional engineer with over 30 years professional experience, is a former patent examiner, research engineer, instrumentation designer, CEO, and currently an author, lecturer, and consultant on future energy developments. He is President and founder of Integrity Research Institute (see <http://www.IntegrityResearchInstitute.org>) and formerly the Research Director for Scott Aviation-ATO, Inc. Currently, Dr. Valone is a member of the Institute of Electrical and Electronic Engineers and the Union of Concerned Scientists. He will be presenting a talk on **Zero-Point Energy**.



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### **Brian Yetzer**

The Art Institute of Philadelphia's Assistant Professor of Media Arts and Animation, Brian Yetzer, is engaging his students in a Nikola Tesla themed course project which spans multiple 3D modeling, 3D animation and graphic design course offerings for his students. Participating students developed three-dimensional renderings of several Nikola Tesla inventions which will be showcased as part of our educational collaboration and a featured exhibition at the Tesla Energy Independence Celebration 2010 conference. In **Tesla 3D Invention Modeling Educational Collaboration**, Brian will speak about the production process and the graphical design aspects encountered in this educational collaboration.



## Free Library of Philadelphia (Saturday, July 10<sup>th</sup>)

### Speaker Bios and abstracts

(in alphabetical order)

#### **Russell Anderson:**

Mr. Russell Anderson has been a researcher in "antigravity" or gravity-control propulsion since 1982. He has done full-scale replications of Thomas Townsend Brown's electrogravity saucers and technology since the 1990s. He founded Applied Electrogravitics in 1999, and has published papers on his Award-winning Beamship™, the largest and most energy-efficient "antigravity" devices in the world today. He is currently engaged in building a 3-meter Inverse Gravity Vehicle, commissioned by Professor Searl. He will be lecturing on electrogravitics.

#### **Ana Atanaskovic**

Ana Atanaskovic was born in 1973 in Krusevac, Serbia. She earned her undergraduate degree in economics. She received her Bachelor's Degree in 1997 from the Philological School of Belgrade University majoring in English. Since 1997 she has taught as a professor of English Language and Literature in the Middle Electrical Engineering School "Nikola Tesla" in Belgrade. In 2006 she published a collection of stories, *Beogradske majske price* [Belgrade May Stories]. She also published two novels, *Duet dusa* [Duet of Souls] in 2007 and *Jelena Anzujska* [Helen of Anjou—Serbian Queen], two editions in 2008 and 2009. Ms. Atanaskovic has also been an active contributor to the Serbian edition of ELLE magazine.

Ana Atanaskovic's lecture is entitled: "**Nikola Tesla and Women**"

*Besides being one of the most intriguing and magical figures of the scientific elite, Nikola Tesla was also an object of interest for many outstanding women. Although he always claimed that a scientist should not get married because it may lessen his scientific efforts and achievements, Nikola Tesla nevertheless attracted the attention of female artists, friends, rich society ladies, and other women.*

#### **Michael L. Craner**

Co-founder, Renew America Roadtrip(tm) - "Driving America Green!"

His talk will be on the **Renew America Road Trip**.

#### **Mano Divina**

Mano Divina is a professional concert Thereminist who performs classical compositions, chamber music, opera arias and sacred choral music with his 8-piece string ensemble. Mano will speak about the Theremin instrument and its relation to Tesla technology and the science of music through the equivalent circuit of hand capacitance. His website is [www.DivineHand.net](http://www.DivineHand.net).



### **Jim Jenkins**

Mr. Jenkins earned a Bachelor of Science degree in Industrial and Systems Engineering from The Ohio State University and a Masters Degree in Education from the University of Pittsburgh. His passion is making connections to K-12 education drawing on his experience in engineering, information systems and training development. As a former teacher in middle and high school, Jim continues to focus on making learning fun and accessible to all students. He will be giving a talk on the activities that the Tesla Science Foundation has been producing for educating members and the general public.

### **Michael Kelly**

Michael has a BS in Medical Technology from Penn State University with a speciality in Microbiology. He completed the Perfusion Technology course at Deborah Heart Lung Center in Browns Mills, NJ. He also has an MS in Cardiovascular Perfusion from Ohio State university. Michael worked as a Perfusionist at Hahnemann Hospital for 8 years. He later joined the team at the Hospital of the University of Pennsylvania as a staff Perfusionist. He became a clinical instructor after six months, and before his first year was completed he was appointed as the Clinical Education Coordinator for HUP's School of Perfusion. During that time Michael developed the first successful Isolation Perfusion System which is used in cancer treatments. Michael's talk will include information about electromagnetic healing techniques and their relationship to Tesla resonant technologies.

### **Miriam Seidel**

Special guest speaker topic, Tesla play by Miriam Seidel.

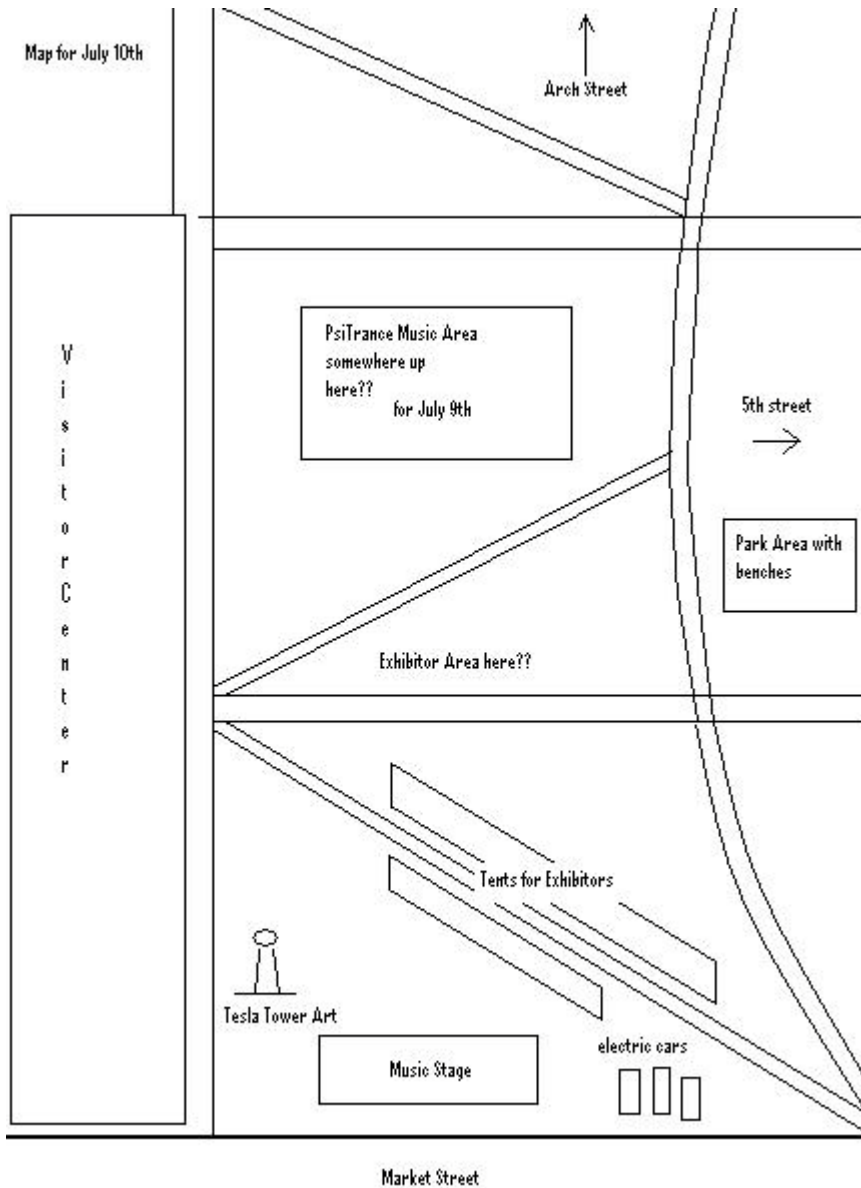
### **Michael Treat, MD**

Dr. Treat is an educator, inventor, and entrepreneur, providing expert research knowledge for the Tesla Science Foundation. He is the founder and chairman of Robotic Systems & Technologies, Inc. and Associate Professor of Clinical Surgery (retired) at Columbia University. He brings a lifetime of industry and academic expertise to our programs. Dr. Treat is currently researching many of the patents and technology of Nikola Tesla. In particular, he is exploring the fundamentals of atmospheric electricity. His talk will be about atmospheric electricity.

**Brian Yetzer** The Art Institute of Philadelphia's Assistant Professor of Media Arts and Animation, Brian Yetzer, is engaging his students in a Nikola Tesla themed course project which spans multiple 3D modeling, 3D animation and graphic design course offerings for his students. Participating students developed three-dimensional renderings of several Nikola Tesla inventions which will be showcased as part of our educational collaboration and a featured exhibition at the Tesla Energy Independence Celebration 2010 conference. Brian will speak about the production process and the graphical design aspects encountered in this educational collaboration.



### Map showing exhibitor locations, Independence Mall Map





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### Independence Mall Exhibitors (Partial List)

- Germ Bookstore
- Armageddon Box Survival Kit
- EEVC (Eastern Electric Vehicle Club)
- PanDelphia art group
- Hacktory
- Hive76
- Make: Philly DIY group
- NEXTFab Studio
- American Society of Inventors
- Tesla Memorial Society of New York
- Tesla Wardenclyffe Project group (restore wireless power)
- Tesla independant inventors
- local Solar Cell and Solar Heater companies
- small selection of power company utility group
- *Michael Kelley with an electromagnetic healing device*
- *Any groups representing forgotten inventors: Moray, Myers - water powered car, Wilhelm Reich Orgone group in Philly*
- Bucky Fuller Institute out of NYC
- Art Institute's designs.

### Shuttle service

A shuttle service will be circling the three sites (Free library, Independence Mall, Liberty 2) on Saturday at regular intervals.



## **Tesla Student Design Competition and Exhibition:**

The Art Institute of Philadelphia's Assistant Professor of Media Arts and Animation, Brian Yetzer, is engaging his students in a Nikola Tesla themed course project which spans multiple 3D modeling, 3D animation and graphic design course offerings for his students. Participating students will develop three-dimensional renderings of several Nikola Tesla inventions which will be showcased as part of our educational collaboration and a featured exhibition at the Tesla Energy Independence Celebration 2010 conference. Also, Graphic Design students in Linda Karp's Art Direction course will create a one-of-a-kind Tesla Science Foundation logo that captures the vision and mission of the organization as well as other marketing materials. The Tesla Science Foundation is excited to be a part of this exciting interchange of ideas which will further assist us in facilitating the expansion of knowledge and understanding of the innovative concepts of Nikola Tesla. Visit this exhibition and cast your vote for one of these inspiring Tesla designs.



The Art Institute of Philadelphia offers bachelor's degree programs in Culinary Management, Digital Filmmaking & Video Production, Graphic Design, Fashion Design, Fashion Marketing, Industrial Design Technology, Web Design & Interactive Media, Interior Design, Media Arts & Animation, Photography, Visual Effects & Motion Graphics; associate's degree programs in Culinary Arts, Digital Filmmaking & Video Production, Fashion Design, Fashion Marketing, Graphic Design, Web Design & Interactive Media, Interior Design, Photography, and Visual Merchandising.

The Art Institute of Philadelphia is one of The Art Institutes ([www.artinstitutes.edu](http://www.artinstitutes.edu)), a system of more than 45 education institutions located throughout North America, providing an important source of design, media arts, fashion and culinary arts professionals.



## 2010 Tesla Coil Competition and Display

This is open invitation to all Tesla coil enthusiasts to meet and explore the community of Tesla technology experimentation at its very best. If you have built a Tesla coil (small, large, spark gap, MOSFET-driven, IGBT, ....) then now is your chance to demonstrate it to the public and get some \$ at the same time.

Register your Tesla coil in this event for an entry to the coil judging contest with a cash prize. Each category winner will win a monetary prize. An entry fee of \$20 is mandatory for all participants. All proceeds will go either to the cash prize or the rental costs of the generators.

There will be 2 prize categories:

1. Largest size spark discharge
2. The coolest design (crowd favorite)

**Where:** Independence Hall park area, Philadelphia, PA

**When:** July 9, 2010 at 6pm to July 10, 2010 at 12am

### **Restrictions:**

The Tesla coils will be plugged into 1 of 2 portable generators provided by us. 120V, 20A, 60hz will be available, as will 240V, 60 Hz.

Radiated emissions must comply with FCC restrictions.

Any spark gaps must have some type of cover to reduce eye exposure to the UV emissions.

Ground cables must be provided. A ground post will be available to connect to.

### **Judging criteria:**

Entries will be judged based on the following criteria:

1. Spark discharge length to a grounding electrode
2. Overall Aesthetic design
3. Crowd favorite

### **Setup:**

All entries must be present at 6-7PM at the above location to setup. Vehicles can only stop to discharge/load coils. Parking must be done at a nearby parking garage. Coils will be running at dusk until 12AM. Tesla coils can be taken down any time after demonstrating, but must be removed by no later than 1AM. Coils will be run outdoors on the Independence Mall lawn. This event is weather permitting. Posts, caution tape, and distance will be provided to separate the general public from the Tesla coil discharges.

### **Registration:**

All entries must pre-register – we need a count of the total number of entries. To register, please contact the following:

[TeslaScienceFoundation@gmail.com](mailto:TeslaScienceFoundation@gmail.com)