

Future Energy

Ninth Conference On Future Energy Program



**IRI Sponsors the Ninth Conference on Future Energy to the Embassy Suites in
Albuquerque NM, July 28-29, 2017**

In Cooperation with TeslaTech, LLC and ExtraOrdinary Technology Conference

Integrity Research Institute

President's Letter

This year we have a great lineup of speakers ready to wow everyone with their knowledge and experience. It is especially gratifying to see such experts with credentials offer training in their field of specialty for our audience's benefit.

We are happy to have Glen Robertson, Dr. James Purvis, Russ Anderson, and William Alek present their propellantless space drive theories, along with Don Reed's scalar electrodynamics. Bob DeBiase and Mike Gamble return, along with Dr. Ludwig, to update us on their propulsion inventions which are coming along, with some financial assistance from IRI. Not surprisingly, Dr. Hal Puthoff and other physicists have emailed me in the past year explaining how the Conservation of Momentum, tied to the "homogeneity of space," cannot be modified to account for the experimentally discovered conversion of angular momentum to linear force. Therefore, Bob and Mike stand to violate this fundamental law of nature, intimately related to Conservation of Energy, when their papers are published. It is exciting to bring a New Mexico professor Dr. Nirmala Khandan, to present on a very popular topic of converting wastewater to energy. I recently attended a panel discussion at the U.S. Capitol on the same subject, with experts in the business of converting wastewater and landfills into renewable natural gas and electricity. On that environmental note, Aidan Shaffer will also enlighten us with his experience in "Living Off The Grid" which is everyone's dream in this age of climate change.

In the bioenergetics arena, our plenary speaker, Dr. Carolyn McMakin will certainly be a sensation since her clinical practice has, as she says, "done things with the frequency protocols that I would never have thought possible 20 years ago when I started teaching this." The specific areas of her successful, therapeutic, electrotherapy treatments are listed in the ExtraOrdinary Tech Conference booklet. She also will be conducting a second session just for COFE9 attendees to give short, one-on-one treatments with her machine. Dr. Glen Rein, who has a history of demonstrating how DNA is the best organic, biosensor for subtle energy, will discuss the details.

The Speaker Schedule so far looks like the following:

Friday July 28, 2017

9 AM –Aidan Shaffer

10 AM – Glen Robertson

11 AM – James Purvis

12 noon– Lunch

1 PM – Dr. Thorsten Ludwig

2 PM – Robert DeBiase

3 PM – Dan Grebenisan, or
Peter Grigow or Dave Froning

4 PM – Bob Boyce in Sandia

Saturday July 29, 2017

9 AM – Don Reed

10 AM – Mike Gamble

11 AM – Russ Anderson

12 noon– Lunch

1 PM – William Alek

2 PM – Dr. Nirmala Khandan

3 PM –Dr. Glen Rein

4 PM – Dr. Carolyn McMakin
demonstration session

Hope you can join us for a great dual energy conference experience this year. Donations are also invited from those individuals who would like to make a difference since Steve and John are still paying for last year's event for the first time. Thank you for any assistance that you may offer to TeslaTech or IRI.



Abstracts and Biographies of Plenary Speakers at COFE9

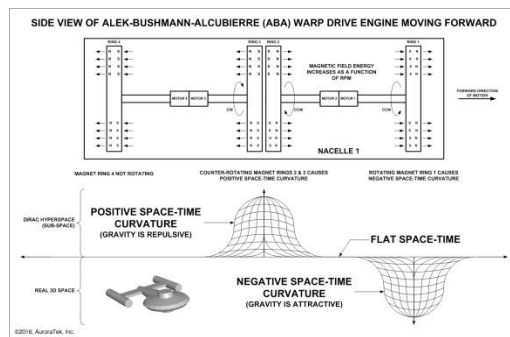


Arranged alphabetically by the speakers' last name

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- **William ALEK** is President and CEO of AuroraTek, Inc. AuroraTek is dedicated to bringing forth advance and exotic Anti-Gravity and FREE Energy Self-Sustaining Technologies to the world. William is an energy researcher and developer of the SmartPAK / SFT FREE Energy / Overunity Energy Management System. William has more than 30 years of experience as an embedded computer hardware, electronic hardware and software engineering consultant, and has a BSEE degree from IIT Chicago, Illinois (1979). EMAIL: william.alek@AuroraTek.us WEBSITE: <http://AuroraTekSpace.com>

“Developing Practical Warp Drive Engine Technology”



Vacuum Polarization of the Lorentz Electromagnetic Aether is a critical concept towards understanding how to design and develop practical Warp Drive Engines. The Aether is understood to be made of polarizable Boson Spin '0' one-dimensional electron-positron pairs known as 'epos'. The warpage or bending due to Vacuum Polarization causes the 'epos' to become Boson Spin '1' pairs with angular momentum called 'ephos.' This can be accomplished using either electric or magnetic forces, or a combination of both forces. An example of Electric Vacuum Polarization is the Biefeld-Brown effect (circa 1920's) and an example of Magnetic Vacuum

Polarization is the German NAZI Bell Device (circa 1930's). Simply by engineering the Vacuum using these forces causes compression producing a negative space-time curvature and rarefaction producing a positive space-time curvature, which in turn, creates what is known as an Alcubierre Warp Field Signature (1994). This is an essential idea towards understanding Faster-Than-Light (FTL) interstellar space travel.

- **Russ ANDERSON** holds a degree in Software Engineering from the Chubb Institute (class of 1999). In June, 2000, Anderson demonstrated working TT Brown Flying Discs (US. Pat. No. 2,949,550,



ELECTROKINETIC APPARATUS) at the Second International Antigravity conference, in Reno, Nevada (hosted by James Cox of ANTIGRAVITY AND SPACEDRIVE NEWS). He wrote and presented a paper on Antigravity technology (BEAMSHIP TECHNOLOGY: A Re-Working of Early 20th Century Discoveries) for the Institute for New Energy (INE) symposium in late August, 2002, Salt Lake City, Utah, that paper was published in NEW ENERGY TECHNOLOGIES journal and THE JOURNAL OF NEW ENERGY, in 2002 and 2003, respectively. In 2007, Mr.

Anderson was contacted by Professor John RR Searl and invited onto the Searl Technology Redevelopment team. He also presented a three-meter diameter (full-scale) mockup model of Searl Inverse Gravity Vehicle and lectured alongside Professor John RR Searl at the TeslaTech 2010 conference and exposition. He is a lecturer on dynamic counterbary (electromagnetic propulsion) and the Searl Effect Generator, the Searl IGV, and Tesla Technology every year since 2009 at the Tesla Days Tesla Foundation conferences in Philadelphia and has given a lecture and demo of antigravity propulsion for MUFON. In 2012, Russell was invited to speak at the first Global Breakthrough Energy Movement conference (www.globalbem.com) in Hilversum, Holland, where he lectured on Magnetic Motors, SEG, and IGV technology. In December 2012, Anderson was offered and accepted the Role of CEO for Searl Aerospace, Inc. In August of 2013, Anderson traveled with the STI team to Beijing, China, in charge of operating and maintaining SEG demo equipment.

“Magnetic Converters and Antigravity”

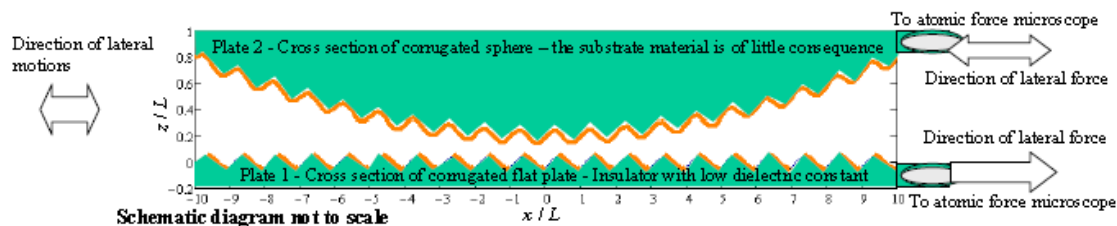
Historically there have been claims of and demonstrations of working free energy (Quantum-Vacuum-converters) devices and systems that exhibit dynamic counterbary (antigravity) as a by-product of their operation. We postulate that the vacuum, far from being empty, is a seething plenum of sub-microscopic white-holes and black holes that pop into and out of existence millions of times a second that channel electric-flux into and out of our 3D-flatland space/time slot, or dimension of physical reality (Wheeler). We further postulate that the phenomenon of gravitation is due to a converging flux of “Ultra-mundane particles” (de Broglie) or what used to be called over a century ago: Lumineferous Ether. Nikola Tesla, who lit the world over a century ago, envisioned a giant cigar-shaped aircraft that would fly with no moving parts. Later, TT Brown proved electricity and gravitation were related with his patented apparatus, which I demonstrated publicly in Reno Nevada in June, 2000, with the TT Brown Electrokinetic apparatus, with 1-meter diameter working flying discs. This technology is overunity because far less power goes into the devices than is output in physical work (movement and propulsion brought about by force-field effects). Hubbard proved Free energy and Antigravity were reciprocal with his apparatus that powered a small boat around a bay which levitated occasionally during demonstrations. Viktor Schauberger proved free energy and antigravity were strongly coupled, as did of course did John Roy Robert Searl, a Technology I work with full-time, and we of STI have completed these working Prototypes! My lecture will also feature LIVE DEMONSTRATIONS and show WORKING FREE ENERGY PROTOTYPES that function and power devices with NO INPUT POWER, that the audience can walk up to and examine. We intend to show that free energy is here NOW, as we gear up for MASS PRODUCTION, at STI of North Palm Beach, Florida.

- **Robert DEBIASE** is retired from Telcordia Technologies where he worked on software solutions for twenty-three years. He is currently an independent researcher who has published original papers in the Journal of the British Interplanetary Society and Elsevier's ScienceDirect Physics Procedia. He has presented papers on SETI, space solar power and the Casimir Effect at previous International Space Development Conferences as well as at various International Astronautical Congresses and IAS-SPES in 2010 and 2012. His current interest is the Casimir Effect and whether it might enable a future propulsion system.



“Asymmetric Forces on Casimir Plates – Experimental Design & Setup”

There are two interpretations as to the source of energy behind the Casimir effect. In the first, the energy source is considered to be the zero-point fields in the vacuum of space between the plates. In the second, the source is considered to come from the potential energy of atoms in the bulk matter making up the plates. It is believed that these two interpretations are equivalent. The proximity force approximation (PFA), premised upon the vacuum interpretation, is used to calculate forces between certain non-parallel plates. The PFA corrected for plasma wavelength and temperature has been used to gauge experiments, all of which have been done at room temperature until recently, with good agreement. When applied to wedge geometry, anomalous asymmetric lateral forces appear. Because the PFA is premised upon tiny parallel plates, the local geometry of non-parallel plates is lost. When local geometry is considered, additional anomalous asymmetric forces appear. The experimental setup was designed based on the conclusion that the anomalous asymmetric forces are real.



- James P. DUNN



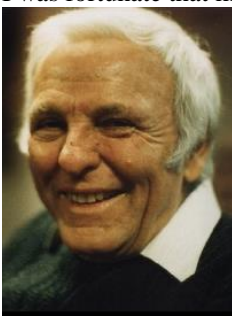
President of Energy Technology Consultants, and CEO of Future Solar Systems LLC, and past Director of NASA's NE Regional Technology Transfer Center. Mr. Dunn also served as the CEO and CTO of the Center for Technology Commercialization in Westborough, MA. Mr. Dunn has over 30 years experience in a variety of high technology ventures with companies from startups to Fortune 100 companies like IBM and Exxon. His technology specialty fields are Alternative and Renewable Energy, Hydrogen and Fuel Cells, Advanced Batteries and Energy Storage, Solar PV technology, Hybrid-electric vehicles, and LENR technology. Jim has written a number of papers and presentations on various alternative energy topics such as Fuel Cells, Hydrogen, Energy Storage, Solar Energy, and Hybrid Electric vehicles; and has spoken at over 50 international conferences and events. In addition to being an inventor of the laptop, Mr. Dunn

holds a number of patents in the battery and Energy storage field, and also received US patent #6,568,633 entitled "Fuel Cell powered Electric Aircraft", and led the development of the World's First manned Fuel Cell powered Electric Airplane, the 'E-plane'. Mr. Dunn was also the Technical Advisor to the MIT 2007 Solar Decathlon 'Zero Energy' Home entry in the International DOE competition, and has worked with several MIT/Sloan student teams competing for the MIT \$100K SIG Ignite business plan contest, (which he won in 2007, for a novel way to produce solar grade silicon). Mr. Dunn was also instrumental in raising \$17M for a new startup, RSI Silicon, and has also helped other high tech companies raise critical capital, and recently launched a new company, Future Solar Systems, LLC. which designs, markets, finances, and installs medium to large scale Solar PV Systems for commercial customers and Private schools. Mr. Dunn also serves on the Millbury Energy Committee, and helped develop an Energy Plan to become a 'Green Community', and help with the recent 'Solarize Mass. project. Mr. Dunn was also one of the 3 key speakers on the "Energy Freedom Fighters" a weekly 1 hour talk show on WCRN 830 AM in Worcester, & "This New Car", a weekly 1 hour talk show on WICN 90.5 FM. Mr. Dunn has also been a member of the Society of Automotive Engineers, IEEE, the Experimental Aircraft Association, Popular Rotorcraft Association, the Technology Transfer Society, & the Licensing Executives Society (LES).

"Advancements in Energy Storage – 'Breaking the Code'"

More details to follow. Backup speaker.

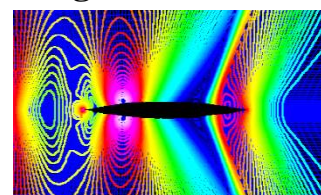
- H. David FRONING University of Adelaide, Australia



I was fortunate that much of my aerospace life happened during a period from about 1945 to 1985 when the greatest surge of progress in flying faster and farther occurred. Design of the first aircraft to break the sound barrier began in 1945 and, in 1954, the Pioneer 10 space probe crossed Neptune's orbit, heading toward the solar system's outer boundary and the start of interstellar space. This period happened because America and Russia believed their national survival depended on gaining air and space superiority over the other. But even while struggling with more ordinary air and space flight problems, I was introduced to some strange new ideas like: "zero-point energy" from space and "warping" both space and time" for propellant-less field-propulsion and, maybe even flying faster than light does. So, I was seduced into spending much spare time exploring these bizarre concepts. But they are all still far in the future. So all I plan to end my talk with today is a summary of my experience with some of these wild new ideas - and what little I believe I may have learned about them.

"Breaking the Flight Barriers of Sound and Heat and Light"

The development of more impulsive velocity than the 2025 vehicle's jet and rocket's engines with similar payload and takeoff mass required favourable interaction between vehicle-emitted EM fields and the ambient fields of the "zero-point EM quantum vacuum" being flown through. In this respect, Haisch, Rueda and Puthoff [3] suggest that a body's acceleration through quantum vacuum gives rise to, at least, a part of the



body's inertia – which instantly opposes its acceleration or its deceleration to different speed. Extending this idea somewhat, Froning and Roach [4] explored the possibility of vacuum-disturbing EM discharges from a vehicle nose reducing the vacuum's resistance to it. A preliminary CFD computation of this is presented. Backup narrated slideshow.

- **Michael GAMBLE** was born in Fergus Falls, MN back in 1952. Been married to my wife Ellen for the past 25 years and have two teenagers. Put in 5 years as a Chevy Mr. Good Wrench and then went back to college. Earned a bachelor's degree in electronics engineering at Northrop Institute of Technology, CA, graduated magna cum laude in 1978. Worked 10 years for a number of small companies. One in the wood products industry as a field service engineer (racked up 600,000 miles travel) and another in automotive fuel injection design and MFG both here and in China. Came to Boeing Sept 11, 1985 and have been with them since. Over the past 29 years I have worked many programs for Boeing commercial and a number of classified aerospace ones. The Control Moment Gyroscope (CMG) project was the most exciting and useful for producing force in one direction. It was used by Boeing to keep satellites and the ISS in their orbits.



“Force from Gyroscopic Propulsion Engineering”

This presentation is a summary of the (CMG) Control Moment Gyro work conducted for the past year. It also contains the basic equations explaining the dual forces involved and the resultant force that is predicted, which matched the experimentally measured net force. CMG work started back in the 1960s and continued on into the 1990s. I got involved with this work in 1995 when I took over the (GN&C) Guidance, Navigation and Controls lab operations at the Boeing Kent (WA) Space Center. IRI support is acknowledged for the dual gyroscopes purchased for this tabletop demonstration. A short video will be shown as well.

- **Dan GREBENISAN** is a researcher in Toronto Canada (no further info supplied).

“Biochip for High Frequency Stimulation of Meridians and Acupuncture Points”

The bioenergy chip presented here, is a device passive resonant devices, for high frequency electromagnetic stimulation of the accupuncture points and meridians or of the electro-dermal active zones situated outside of the accupuncure system. The device does not need an external power supply, it is powered harvesting energy directly from the body. Their purpose is to modify a phisiological state or for treating a pathological condition, by local stimulation or inhibition of some systemic effects that could be used in the medical therapy. The device is calibrated to ensure unique or multiple resonant frequencies, in the range of 0.5 to 300 MHz. The biochips are simply used by placing a set of them on the insoles of the shoes, for electromagnetic activation of some specific reflexology accupuncture points, or specific active electro-dermal zones. The interaction with the body is mostly on the variable magnetic field, in certain known accupuncture locations, that are specific for such of energetic rebalancing – stimulation or inhibition. The device being under the influence of the variable magnetic field and electromagnetic radiation generated by the body, ensure an energetic transfer useful for its rebalancing. The effects measured so far are the diminuation of the back pain caused by lombar or lombo-sciatic conditions, correcting postural, walking and balance conditions, and strong support of chronic fatigue. This device was awarded with the Gold Medal by the International Saloon of Inventions in Geneva 2015. (Backup speaker)

- **Peter GRIGOW**

“Water Splitting Device”

Further information to be provided

- **Nirmala KHANDAN, Ph.D., P.E.** Professor, New Mexico State University, Environmental Engineering Department

Professors



Nirmala Khandan, Ph.D., P.E.

Professor, Ed & Harold Foreman Endowed Chair

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“HARVESTING NET ENERGY AND FERTILIZER FROM URBAN WASTEWATERS”

Traditional urban wastewater (UWW) treatment infrastructure depends on obsolete, multistage technologies that mineralize valuable organic carbon and nutrients in the wastewater and dissipate them into the environment. Urban wastewater is now being regarded as a renewable source from which energy, water, and nutrients could be reclaimed for beneficial use to make the wastewater treatment infrastructure energy-efficient and sustainable. This presentation describes an algal-based wastewater treatment system where the selected strain, *Galdieria sulphuraria*, is shown to be capable of photoautotrophic and heterotrophic metabolism for simultaneous removal of dissolved organic carbon and nutrients from UWWs in a single step. Laboratory studies followed by outdoor pilot scale demonstrations of this system have proven *Galdieria sulphuraria*'s capability of removing organic carbon and nutrients from wastewaters to the mandated discharge standards and generating energy- and nutrient-rich biomass. Downstream processing of the resulting biomass by hydrothermal liquefaction has been demonstrated as a feasible process for recovering the energy-content of UWW as biocrude and its nutrient-content as fertilizers. Mass and energy balances from the outdoor pilot scale system will be presented to show that this algal-based approach could be an energy-positive alternative for treating urban wastewaters and simultaneously recovering valuable nutrients in the wastewaters for use as fertilizers.



- **Thorsten LUDWIG, Ph.D.** worked at the Technical University of Berlin from 1997 to 2005



and received his Master in Physics in 2001 and completed his Doctor of Natural Science in 2005, both summa cum laude. At the Technical University he also made contact to other scientists and engineers interested in new energy technologies. As a result a group including Thorsten Ludwig founded the Berlin Institute for innovative energy and propulsion technologies in 2001. The institute is committed to gather information, evaluate technologies and conduct research and development in the field of new energy technologies. The institute has done projects with catalytic hydrogen production, plasma tech, magnetic motors and solid state energy conversion. Out of interest in the field of new energy technologies Dr Ludwig has participated in a large number of international conference on future energies, atomic physics and the workshop series QFEXT. The series discusses the quantum field theory under the influence of external fields. In this workshop both theoretical and experimental physicists meet, to discuss the latest findings around the Casimir-effect and its application.

“Harnessing Zero Point Energy, Practical Experiments and Proposed Ideas”

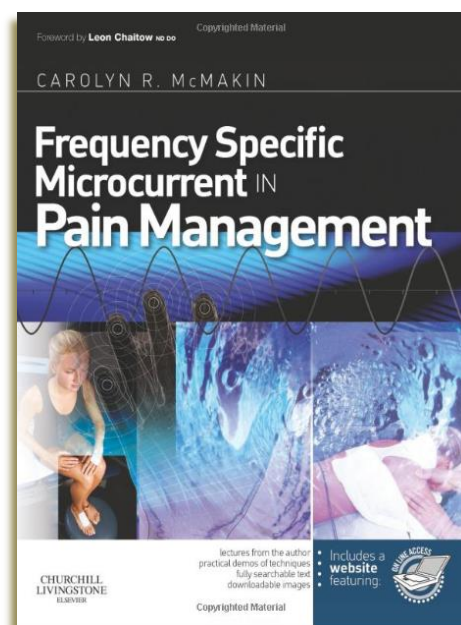
The quantum energy that all particles, waves, systems and even space itself have is the sea of energy that we live in. The zero point energy could be the power source of the future. Dr. Ludwig will present several theoretical and experimental approaches to harnessing zero point energy. Over the years he has published a number of experiments and ideas how to extract energy from the quantum field. During the last year the president of integrity research, Thomas Valone PhD inspired Dr Ludwig to team up with Robert DeBiase and put his ideas into practice. DeBiase proposed new effects with the Casimir Effect if one of the two metal plates is corrugated in a certain way. (See Robert DeBiase abstract and talk for details on the theory). The first practical approaches will be presented. Professional optical gratings were used as base for the Casimir experiments. The gratings were characterized using an atomic force microscope (AFM). To produce the desired half sided metal surface the aluminum coating on grating was removed. Afterward the gratings were recoated half sided with aluminum. In order to measure the lateral Casimir forces precisely a micro sphere would need to be corrugated and coated half sided. The lateral Casimir forces could then be measure with the AFM. Beyond the above experiment Dr Ludwig will present previous experiments and present further ideas on how to harness zero point energy. One area of interest is the interrelation of ZPE and magnetism. Furthermore Dr Ludwig will propose experiments that combine energy extraction from ZPE with subtle influences on random and quantum processes.

Carolyn McMakin, D.C. Dr. Carolyn McMakin developed Frequency Specific Microcurrent (FSM) in 1996 and began teaching it in 1997. She has a part-time practice, consults with and treats professional teams and elite athletes, does clinical research and teaches FSM seminars in the US and abroad. She has lectured at the National Institutes of Health and at conferences on fibromyalgia and the differential diagnosis and treatment of chronic pain syndromes in the US, Australia, England and Germany. She has authored seven peer-reviewed articles, four book chapters and two abstracts in the areas of chronic pain and differential diagnosis. Her textbook, “*Frequency Specific Microcurrent in Pain Management*” was published by Elsevier in 2010. Her latest book “*The Resonance Effect*” is published by North Atlantic Books in 2017. cmcmakin@msn.com



“Extraordinary Resonance Effects in Clinical Practice with Microcurrents”

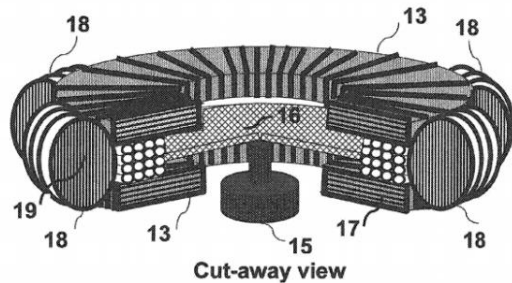
The effects of specific frequencies delivered by square wave pulses and micro amperage current have been used and documented by Frequency Specific Microcurrent practitioners for 20 years. The documented effects include log rate reductions in all inflammatory cytokines by factors of 10 and 20 times within 90 minutes in human patients, and 62% reduction in lipoxigenase mediated inflammation in 4 minutes, 30% reduction in COX mediated inflammation in 4 minutes and other specific effects on immune system response produced in an animal model. Well documented case data suggests profound effects in regulation of the autonomic nervous system, PTSD, autism, brain injuries, liver disease, diabetic peripheral neuropathy, brown recluse spider bite, post-operative recovery and pancreatitis. The results have been shown to be produced only by specific sequences of two channel frequency pairs. The proposed mechanism of these effects will be discussed. Dr. McMakin will also offer a second, more personal session on Saturday at 4 PM.



- **James PURVIS, Ph.D., P.E.** Assistant Professor, Auburn University, Aerospace Engineering Department. Cooperative Education Program. Aerospace engineer with service in Systems Analysis, Mathematical Modeling, Nuclear Security, and Civil Space Research as a Principal Member of the Technical Staff at Sandia National Laboratories, North American Rockwell, Textron Industries, Boeing, and US Naval Surface Weapons Center. Original team member for the Boeing Apollo 16, Saturn V assembly. US DOE representative to NASA's National Exploration Office at Johnson Space Center. AIAA Member. Author of publications in Journal of Aircraft, AIAA Journal, Journal of Spacecraft and Rockets, and Joint Propulsion Conference.

“Electromagnetic Angular Acceleration Propulsion System”

A major issue facing future space exploration is advanced propulsion technologies. This presentation



details electromagnetic propulsion (US Patent application 20160254737). The electromagnetic propulsion or thrusting systems include two or more electromagnetic coils, a means for rotating one of the electromagnetic coils, and a means for periodically shaping the intensity, duration and polarity of magnetic fields from the coils. In particular, these systems and methods use the interaction between the angular acceleration components of the electromagnetic field generated by the rotating coil

with the geometry of one or more stationary electromagnetic coils to achieve thrust without expelling mass. This invention relates generally to the field of spacecraft propulsion. More specifically, the invention relates to spacecraft propulsion systems and methods which provide thrust without expelling propellant. In particular, the systems and methods of the present invention use the interaction between the angular acceleration components of the electromagnetic field generated by a rotating coil with the geometry of one or more other electromagnetic coils to achieve thrust without expelling mass.

- **Donald REED, M.A.** Researcher, Instructor, Author

Donald Reed has an M.A. in Mathematics, a wide background in engineering and physics, and currently is employed as adjunct professor/lecturer at SUNY at Buffalo, instructing in the Pre-Calculus level mathematics. As a longtime researcher into advanced energy topics, with an abiding interest in fundamental theories of natural law, he has contributed many journal articles and papers appearing in the Proceedings of various energy conferences for the past several decades. Central among these investigations included an in-depth study of specific rarely examined classical vector fields, and their possible technological applications in physics, engineering and other sciences. This study culminated in individual chapters on the subject, appearing in the books: Advanced Electromagnetism: Foundations, Theories and Applications (1995) and Modern Nonlinear Optics: Advances in Chemical Physics, vol. 119 (2001). He has also recently been selected to submit a review of the recent book Relativistic Quantum Mechanics (2015), by Lawrence P. Horwitz, by the author himself. This manuscript is now currently undergoing review process for publication in the journal, Foundations of Physics.

“Proof-of Principle of Scalar Electrodynamics”

Central to this investigation will be an examination of the recent patent US 9,306,527 granted to Lee Hively in 2016. Considered will be the recent models for Hively's More Complete Electromagnetic (MCE) theory, the A.K. Tomilin "potential vortex" theory, van Vlaenderen/Waser electroscalar model, the V. Krasnoholovet "inerton" model, as well as the corroborating work of other theoreticians. Important empirical related evidence brought forth will be the Monstein/Wesley 2003 experiments as well as the recent key Russian experiments during the 2007 solar eclipse which is believed to be the first historically confirmed astrological signature of solar electroscalar radiation. The potential impact of scalar electromagnetics on the current state of both classical and quantum physics will be examined in connection with possible implications on the current status of relativistic quantum mechanics and the prevailing paradigms surrounding nuclear fusion.

- **Glen A. ROBERTSON** NASA Aerospace Engineer, Researcher, Author, Past Conference Coordinator of SPESIF (Space, Propulsion, & Energy Sciences International Forum)

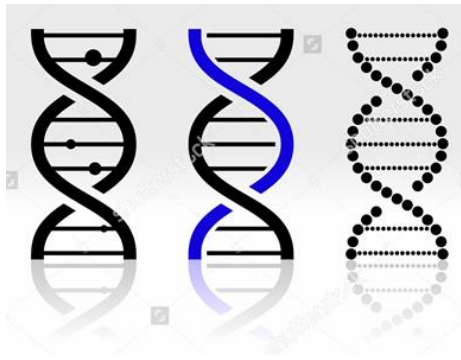
“Acceleration Mechanics for Propellantless Space Drives”

By applying Susskind’s interpretation of entanglement to the thin-shell mechanism in Chameleon Cosmology, one can allow the thin-shell to be the observer between an object’s density and its surrounding environment density. Whereby, changes to these densities invoke changes to the thin-shell thickness in order to conserve both entanglement and energy between the two densities. Given that the thin-shell mechanism is a density entanglement process that affects gravity at the quantum level, the scale at which this occurs should be the Planck scale. Therefore, one must assume that gravity on the human scale is a Planck scale normalization with respect to an object’s density, which was shown to be true. A new acceleration equation was verified by comparison with known physical models and a simple internal accelerating mass experiment and thus can be seen as being a bit antiquated or more complex than known physical models. However, the underlying connection of this new acceleration equation to entanglement on the universe and Planck scales presents a new acceleration mechanics for developing new propellantless space drives concepts that would not have otherwise been developed using known physical models.



- **Glen REIN, Ph.D.** Quantum-Biology Research Lab, Santa Rosa, CA. Formerly Chief Research Scientist for Estee Lauder. Independent testing lab facility service, product and device testing for DNA response specialty.

“ELECTRICAL PROPERTIES OF DNA AND ITS SENSITIVITY TO SUBTLE ENERGY”



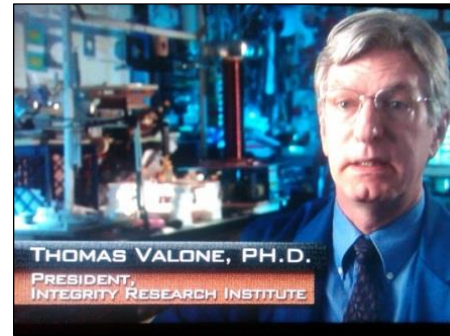
Original experimental results will be presented whereby human DNA was exposed to a variety of subtle energies including bio-energy from healings and scalar energy generated from a contra-wound bifilar coil with current flowing in opposite direction. Results indicate that depending on the energies involved conductivity in human DNA was either increased or decreased. The significance of such biphasic responses will be discussed. Additional experiments measuring conductivity of herbal remedies showed the method can also be used with inanimate objects. These results indicate that conductivity maybe a new method for monitoring the energetic properties of animate and inanimate objects.

- **Aidan SHAFFER** Researcher, Networker, Survivalist

“Living Off The Grid”

Insight from two years of living in a house that is still in operation in the greater world Earthship community outside of Taos NM. The house was built with both new and recycled materials to lessen its carbon footprint and make it NetZero. Operation of the house caused a change in consumption habits due to constant monitoring of consumables; power generated by personal power system, water harvested from local environment, and waste output primarily through consumption of goods from commercial retail stores. This type of design lead to better resource utilization by using consumables multiple times for example water is used 4 times before it is considered waste in the earthships. Power consumption is engineered by using low wattage high efficiency components such as LED lighting, and reduced use of consumer electronics that have phantom power drains. Knowledge gained is applied to the future urban planning and the planetary, lunar economy being developed by commercial space exploration.

- **Thomas F. VALONE, Ph.D, P.E.** Physicist and licensed professional engineer with 30 years professional experience, a patent examiner, research engineer, instrumentation and energy harvester designer, Dr. Valone is also an author, lecturer, and consultant on future energy developments. He has a Master's in physics from the State University of New York at Buffalo, a Professional Engineer's License in NY State, and a Ph.D. in General Engineering from Kennedy-Western (Warren National) University. He is President and founder of Integrity Research Institute and formerly a physics teacher at Erie Community College and previously a Research Director for Scott Aviation-ATO, Inc. He helped design the HullCom® for naval intraship communication, a 60 Hz gaussmeter without



harmonic distortion, two bioelectric therapy devices, and a dental mercury vapor ionizer-precipitator. He is editor of *Future Energy*, *Energetic Processes Vol. I & II*, *Turning the Corner: Energy Solutions for the 21st Century* and a few conference proceedings, as well as author of *The Future of Energy: An Emerging Science*, *Zero Point Energy: The Fuel of the Future*, *Harnessing the Wheelwork of Nature*, *Practical Conversion of Zero-Point Energy*, *Homopolar Handbook*, *Electrogravitics Vol. I & II*, *Bioelectromagnetic Healing*, *Bush-Cheney Energy Study*, *Clinton Administration Energy Study* and about 100 published reports and articles. He has also served as an expert witness, an expert declaration writer for court cases and appeared on CNN, A&E, History and the Discovery Channels, besides a few commercial energy videos. He has been a keynote speaker for both the Earth Transformation and the Whole Person Healing Conferences as well as a visiting scholar for Humanity 3000 Symposium at the Foundation for the Future in Seattle, WA. The World Future Society and the American Institute of Aeronautics and Astronautics (Joint Propulsion Conference), to name a few, have also served as a platform for his presentations. National Philosophy Alliance has posted a [Valone biography and book summary](#) online. Currently, Dr. Valone is a member of the Institute of Electrical and Electronic Engineers, the Bioelectromagnetics Society, the National Space Society and the Union of Concerned Scientists. He is also a Fellow of the World Innovation Foundation. His works have been published in German, French, Russian, Romanian, Korean, Swedish and English. He can be reached through Integrity Research Institute, 5020 Sunnyside Avenue, Suite 209, Beltsville MD 20705 and www.IntegrityResearchInstitute.org.

“Emerging Energy Trends That will have a Practical Impact”

Today 85% of our country's energy comes from the combustion of dead fossils, a dirty fuel that is forcing the world's atmosphere to overheat. Just in the past ten years, the earth increased 20 ppm to pass 400 ppm CO2 average level worldwide. However, new 21st century energy sources that produce no carbon emissions and do not contribute to global warming are now emerging. Beyond the realm of fuel cells and solar is the non-conventional world of “future energy.” Some of the best examples are new and exciting generators that release trapped potential energy from nature in ways never dreamed of before. Others innovatively apply clean fuels in conventional systems that are surprisingly simple and yet very efficient that are a focus of attention for NASA and the USDOE. Most of them have one thing in common: they are very scientific but are relatively unknown to the general public. This presentation summarizes the latest breakthroughs in future energy. Recent energy trends are promising, clean and sustainable. There is a rich carbonless diversity which offers immediate, clean alternatives to dead, fossilized, poisonous fuel.

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