

**ISSSEEM**  
Bridging Science and Spirit:

21<sup>st</sup> Annual Conference

**Light  
Vision &  
Consciousness**

Research Symposium Proceedings  
June 24, 2011

## **Message from the CEO – Denise Lewis Premschak**

I am excited to present the 2011 Research Symposium held in conjunction with the 21<sup>st</sup> Annual ISSSEEM Conference. The long-held purpose of ISSSEEM is to advance research aimed at exploring and applying subtle energies as they relate to the experience of consciousness, healing, and human potential. This symposium provides a venue for researchers from various disciplines to share and discuss their latest findings with colleagues and professionals in the subtle energies and energy medicine community.

I want to thank the Program Committee, the Peer Review Committee, the research presenters, and especially Dr. Melinda Connor for the mighty work and dedication it takes to convene this forum – the content of which has the potential to inform significant change.

## **Message from the President – Dr. Jacob Liberman**

Welcome!

On behalf of ISSSEEM, I welcome you to our annual Research symposium. ISSSEEM is an interdisciplinary society interested in the scientific and intuitive exploration of integrative healing, applied spirituality, and the subtle realms. This symposium and the conference that follows are fundamental to the creation of a Unified Human Energy System theory that integrates all aspects of human experience. Research is an open-minded search for knowledge, providing information and theories that advance our understanding of humanity, nature, the universe, and our inseparable interconnectedness. Thank you for your attendance, contribution, and support.

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## **Requirements for Submission to the ISSSEEM Research Symposium**

1. All studies will consist of new material which has not been presented at an ISSSEEM conference and preference will be given to studies which include data which has never been previously presented.
2. All studies will be presented by people who did the study or are properly authorized to present the study by the studies original authors (i.e., PI, co-PI).
3. All case studies will have individual consents from the person who was the case study client.
4. All human studies (clinical or basic science) will have had an institutional review (IRB) or an ethics review which meets state or national standards.
5. All investigators doing human studies will be properly qualified to do human studies research which includes human studies protection training.
6. All investigators doing animal research will be properly qualified to do animal studies research which includes animal studies ethics training.
7. All studies of pre-existing cumulative clinical data must go through a retrospective data analysis human studies review and the person(s) from whom data is being used must be individually consented prior to the abstract submission.
8. All abstracts are not to exceed 400 words.
9. Device studies are to be proof of concept, single case studies or clinical studies.
10. All theories will be presented by the original author or by a person approved by the author of that theory.

### **The Peer Review Process:**

Each study submitted to the ISSSEEM Research Symposium goes through the peer review process. Each abstract is grouped by the category under which the author submitted. Then the submission is numbered and all other information is removed. The members of the peer review committee then receive a copy of all of the abstracts which are then ranked in each category. Comments which they feel are pertinent to the peer review process are attached by committee members. The rankings are then tabulated and placement in the schedule is based on the individual rankings of each abstract. For those abstracts which have sufficient quality but for which there was not enough room in the schedule to provide an individual talk, the authors are invited to provide a poster session as an alternative.

## The Research Symposium Peer Review Committee for 2010

### ***Dr. Melinda H. Connor, D.D., Ph.D., AMP - Chair***

CEO – National Foundation for Energy Healing  
Research Professor, Langara College, Vancouver, BC Canada  
Adjunct Professor, Everest College Online  
[melinda\\_connor@mindspring.com](mailto:melinda_connor@mindspring.com)

Melinda has been a healer in professional practice since 1987. A born clairvoyant, her initial training in the energies came from within her family. Ordained as a Buddhist Priest, Dr. Connor has trained as a clinical psychologist, neuropsychologist, drama therapist, massage therapist and in over twenty different styles of energy healing. Dr. Connor received her training as a research scientist at the University of Arizona under Dr. Andrew Weil and Dr. Iris Bell. Currently a member of the teaching staff for the Integrative Energy Healing certificate program at Langara College in Vancouver, Canada, and Everest College – Online, Phoenix, AZ, Dr. Connor is the CEO of the National Foundation for Energy Healing and has a private healing practice in Arizona. She is the author of two books *See Auras!* and *Professional Practice for the Energy Healing Practitioner*.

### ***Dr. Bernard O. Williams, Ph.D.***

Dean, Energy Medicine University  
President, Holos University Graduate Seminary  
Editor, *Subtle Energies & Energy Medicine*  
[berneyw@ku.edu](mailto:berneyw@ku.edu)

Professor Williams is President of the Center for Environmental Energy Medicine Studies in Lawrence, Kansas; Professor in the Energy Medicine/Spiritual Healing program of the Holos University, Bolivar, Missouri, and Dean of Graduate Studies at Energy Medicine University, Sausalito, California. In these capacities, he has chaired a wide range of Doctorate and Master degree research projects in energy medicine and spiritual healing. Dr. Williams is a Certified GDV instrument user, operator and trainer; as well as a Certified GDV Researcher and a Plenipotentiary member for the USA of the International Union of Medical and Applied Bioelectrography, where he serves on the Editorial Board of the GDV Bioelectrography Series. One of his more recent publications is a chapter on subtle electromagnetic therapies in the second edition of Leonard Wisneski and Lucy Anderson's textbook *The Scientific Basis of Integrative Medicine*, published by CRC Press in 2009.

### ***Dr. Charles T. Tart, Ph.D.***

Professor Emeritus, University of California Davis  
Professor, Institute for Transpersonal Psychology  
Charles T. Tart, Ph.D., is Executive Faculty at the Institute of Transpersonal Psychology in Palo Alto and Professor Emeritus of Psychology at UC Davis. He is internationally known for research with altered states, transpersonal psychology, and parapsychology. His 13 books include two classics, "Altered States of Consciousness" and "Transpersonal Psychologies." Two recent books, "Waking Up" and "Living the Mindful Life" synthesized Buddhist, Sufi and Gurdjieffian mindfulness training ideas with modern psychology. His 1997 "Body Mind Spirit: Exploring the Parapsychology of Spirituality," explored the scientific foundations of transpersonal psychology to show it is possible to be both a scientist and a spiritual seeker. His most recent book is "Mind Science: Meditation Training for Practical People," and his new "The End of Materialism: How Evidence of the Paranormal is Bringing Science and Spirit Together" was published in the Spring of 2009. Full information is available at [www.paradigm-sys.com/cttart/](http://www.paradigm-sys.com/cttart/).

***Dr. Beverly Rubik, Ph.D.***

Professor, Union Institute & University

Adjunct Professor, California Institute of Integral Studies

CEO, Institute for Frontier Science

Beverly Rubik earned her Ph.D. in biophysics in 1979 at the University of California at Berkeley. She is internationally renowned for her pioneering research in frontier science and medicine, especially in energy medicine. She has published over 100 papers and 2 books. Dr. Rubik presently serves on the editorial boards of *Journal of Alternative & Complementary Medicine* and *Integrative Medicine Insights*. She is founder and president of Institute for Frontier Science, a nonprofit laboratory in Oakland, CA; core professor, doctoral programs, Interdisciplinary Studies at Union Institute & University in Cincinnati, OH; adjunct professor, Integrative Health Studies, California Inst of Integral Studies, San Francisco, CA; and occasionally teaches at Saybrook University in the College of Mind-Body Medicine, also in San Francisco. She maintains a small holistic health practice in Emeryville, CA

***Dr. Anne Baldwin, Ph.D.***

Research Professor, University of Arizona

CEO, Mind-Body-Science

Ann Linda Baldwin, PhD, is a Research Professor of Physiology and Psychology at the University of Arizona and is Director of “Mind-Body-Science” ([www.mind-body-science.com](http://www.mind-body-science.com)). She is a Reiki Master, and has practiced Reiki on people and animals for the last 10 years and Reconnective Healing for the last 3 years. She obtained her Bachelors degree in Physics from University of Bristol, UK, her Masters degree in Radiation Physics from University of London, UK and her PhD in Physiology from Imperial College, University of London. Her research focuses on the physiological effects of mental and emotional stress and on the mechanisms by which energy healing can reduce stress. Dr. Baldwin has over 100 peer-reviewed publications and has been a member of several review panels for National Institutes of Health and the National Science Foundation. Her work has been funded by NIH, NSF, American Heart Association and by private and corporate sources.

***Dr. Lauren Palmateer, Ph.D. (member at large)***

Electrical Engineering

Technology and Strategic Consultant in Specialized Fields of Displays, Intellectual Property and High Tech Manufacturing

Lauren Palmateer, PhD, is working to bridge modern electronics with Vibrational Radiesthesia. She received her PhD in Electrical Engineering from Cornell University in 1989. She has worked at many corporations in the US and abroad including IBM and Bell Labs Research and numerous start-up companies in electronics. She worked in the field of Electronic Display technologies as in the LCD since 1990. She holds patents in displays and has experience in mainstream electronic technologies and intellectual property. Lauren lives in San Francisco and is working on collaborations with display and electronic companies to utilize novel measurement techniques focused on the vibrational properties of biofields, subtle energies and electromagnetic fields and the interaction with the human body. Her interests are to apply subtle energy techniques of measurement to the industrial world of display technologies and electronics.

***Ms. Genevieve Tau (ISSSEEM - student member)***

Pacific College of Acupuncture

Genevieve Tau graduated from the University of Arizona, Tucson, AZ, with a B.A. in Psychology, with honors, and a minor in Alternative Therapies for Violence against Women. While in attendance, she was the research assistant for the Karen L. Connor Exceptional Healing Research Program at the Energy Systems Laboratory. Genevieve has continued to work in with her mentor, Dr. Melinda Connor, in 2009 presented a poster at the ISSSEEM Sacred Synthesis: Science with Heart Conference in Westminster, CO, on the case study: Recovery of Range of Motion in the Hands in Diagnosed Non-differentiated Arthritis Using Resonance Modulation Technique. In which, she was awarded the Young Scientist Award. She is currently in her first year at Pacific College of Oriental Medicine, Chicago, IL, seeking her Master's of Oriental Medicine. Genevieve has a great passion towards the exploration of the healing arts, as well as to the progression of these modalities in western science.

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### **Research Project Development:**

ISSSEEM, in cooperation with the Association for Comprehensive Energy Psychology and the National Foundation for Energy Healing will continue to cooperate in support of research in Energy Medicine, Energy Healing and Energy Psychology.

FOR FURTHER INFORMATION, CONTACT:

Melinda H. Connor, D.D., Ph.D., AMP [melinda\\_connor@mindspring.com](mailto:melinda_connor@mindspring.com)

### **Research Training and Mentoring:**

*If you have ever had a dream to do a research study but did not know how to make it happen, now is the time to learn how to make that dream a reality.*

What does this mean?

Lots of practitioners have client's who have experienced significant healing outcomes. These single case studies would be an important contribution to the energy medicine literature. In addition, lots of practitioners have great ideas for possible research studies BUT they do not necessarily know how to do a research study. Not everyone has the time and resources to go back to school to learn how to do research.

We can help.

The collaborative effort of these organizations can provide helpful guidance to learn the basics of how to do a case study or a pilot study. You will be walked through the process step by step from literature search, to specific aims, to research design, to finding funding, to selecting your research team, to human studies permission, to recruiting subjects, to solving start-up problems. You will also learn the best ways to keep your data, data analysis basics, all the way through writing your abstract and paper.

To participate:

Join ISSSEEM ([www.issseem.org](http://www.issseem.org)) or the Association for Comprehensive Energy Psychology ([www.energypsych.org](http://www.energypsych.org)) and write down your membership number.

FOR FURTHER INFORMATION, CONTACT:

Melinda H. Connor, D.D., Ph.D., AMP [melinda\\_connor@mindspring.com](mailto:melinda_connor@mindspring.com)



**Research Symposium Schedule – Friday, June 24, 2011**  
21<sup>st</sup> Annual ISSSEEM Conference - *Light, Vision and Consciousness*

8:30 **Announcements**

8:40 **Opening Remarks:**

Dr. Jacob Liberman

*ISSSEEM 2011 Conference President*

8:45 Abstract # 10 S Jain, Biofield Healing for Fatigued Breast Cancer Survivors: Specific and Nonspecific Effects on Psychological, Immune, and Hormonal Outcomes

9:05 Abstract # 17 D. Atkins, The Effects of Self-Massage On Osteoarthritis of the Knee: A Randomized, Controlled Trial

9:25 Abstract # 6 K. Turner, The "Spontaneous" Remission of Cancer: Theories from Healers, Doctors, and Cancer Survivors

9:45 Abstract # 31 M. Connor, A Unified Theory of the Effects of Energy Psychology and Energy Healing on the Human Body

10:05 *Questions*

10:15 ***Break & Poster Sessions***

10:30 **Plenary Session:**

Dr. Susan Lutgendorf, Ph.D.

*Use of Healing Touch in Oncology: Findings, Models, and Methodology*

11:25 *Questions*

11:35 **Research Mentoring Kick-Off Presentation**

Dr. Bernard O. Williams and Dr. Melinda Connor

11:45 **Panel Discussion:**

*The Toughest Research Problems Facing Energy Medicine Research*

Moderator: Dr. Bernard O. Williams

Dr. Beverly Rubik, Dr. Shamini Jain, Dr. Karl Maret and Dr. Koji Tsuchiya

12:10 *Questions*

12:15 - 2:00 *Lunch*

2:00 **Plenary Session:**

Dr. Glen Rein, Ph.D.

*The Effects of Conscious Intention on Human DNA*

3:00 *Questions*

3:10 **Emerging Scientist Awards**

3:20 ***Break & Poster Sessions***

3:30 - 3:40 *Move to break out sessions. Please be on time.*

**3:40 Break Out Sessions:**

***ONE***

***Methodology and Research Training***      **Dr. Vaughn R. Cook, Moderator**      Cotton Creek 1

- 3:40 Abstract #34      D. Lee, Basic Preparation for a Research Project – The Steps  
4:00 Abstract # 21      J. Oschman, A survey of the contributions of energy medicine to our understandings of the human body in health and disease.  
4:20 Abstract # 9      C. Bair, Envisioning a Multidimensional Research Model  
4:40 Abstract # 24      K. Layte, To Mock or Not to Mock--That is the question....

***TWO***

***Clinical and Technique Studies***      **Dr. Susan Russell, Moderator**      Cotton Creek 2

- 3:40 Abstract # 23      L.Stuve, Investigation of the Efficacy of Distance BodyTalk Treatments for Chronic Pain Conditions  
4:00 Abstract # 7      D. Goldberg, The Effects of Healing Touch on Anxiety in Women Undergoing a Breast Biopsy  
4:20 Abstract # 11      F. Burris, Drawing the Unconscious: A Research Study Using a Metaphoric Life Portrait™ to Reduce Anxiety and Enhance Well-being  
4:40 Abstract # 18      H. Liu, A single-case study of the effects of energy healing on human energy field using infrared energy scan.

***THREE***

***Clinical and Review Studies***      **Dr. Scott Anderson, Moderator**      Meadowbrook 1

- 3:40 Abstract # 26      M. Syldona, Integrating the physical & spiritual sciences: Kashmir Shaivism and the roots of modern physical science  
4:00 Abstract # 33      L.Tully, LifeWave Energy Patches Increase Strength, Flexibility and Endurance in Healthy Subjects- a Pilot Study  
4:20 Abstract # 20      N. Bat, A Systematic Review of Biophoton Emission  
4:40 Abstract # 30      C. Connor, Dowsing: Anchoring in Time

***FOUR***

***Device Based Studies***      **Dr. Beverly Rubik, Moderator**      Meadowbrook 2

- 3:40 Abstract # 29      M. Connor, Gas Discharge Visualization Testing of Lifewave Glutathione Patches: A possible increase in Focus  
4:00 Abstract # 2      K. Tsuchiya, Body's Energetic Changes in Non-Touch Energy Healing: A Study of Synchronous Changes in Qi-energy levels

- 4:20 Abstract # 16 between the Healer and Subject during Prayer/Hypnosis Healing  
G. Chevalier, Emotional Stress, Heart Rate Variability, Grounding  
and Improved Autonomic Tone: Clinical Applications
- 4:40 Abstract # 8 L. Palmateer, Characterization of Electronic Displays: Combining  
QEEG with Vibrational Analysis Methods

***POSTERS***

Westminster Ballroom

- Abstract # 22 G. McCurdy, Planet Earth Seen as a Lifeboat
- Abstract # 27 M. Harlow, Case study of the effects of Distance Integrative Energy  
Healing (IEH) on an injured canine.
- Abstract # 28 K. Federer, Case study of the effects of distance Integrative Energy  
Healing (IEH) on an injured horse.
- Abstract # 32 Y. Cohen, TQER –Temporal Quantum Energetic Restructuring: A  
New Paradigm in Trauma Healing

## **Abstracts in order of presentation:**

Abstract # 10

Biofield Healing for Fatigued Breast Cancer Survivors: Specific and Nonspecific Effects on Psychological, Immune, and Hormonal Outcomes

**Jain, S.,** Pavlik,D., Bruyere,R., Ives,J., Mills,P.

**Purpose and Method:** Biofield therapies, including Hands-on-healing, are often sought out by cancer patients. This randomized controlled trial examined the effects of 4 weeks (8 1-hr sessions) of hands-on healing (HOH, specifically energy chelation as taught by Rev. Rosalyn R. Bruyere and as practiced by experienced healers) compared to mock healing (MH; consisting of touching using chelation hand positions by non-practitioners, with no healing intention) & a wait-list control group on fatigue, immune, and hormonal function in 76 fatigued breast cancer survivors. Outcomes included self-reported Fatigue (MFSI-sf), Quality of Life (QOL; FACT-B), & Depression (CESD); as well as plasma oxytocin, plasma cytokines and receptors (IL-1Ra, IL-6, IL-4, & IL-10), and cortisol variability. Survivors rated their guess of treatment (healing vs. touch) after each session; this data was entered into statistical models as an additional predictor variable (treatment belief). Data were analyzed via hierarchical linear modeling. Significance levels were  $p < .05$ .

**Results:** There were no significant differences between HOH & MH on belief; 75% thought they received HOH. Compared to controls, HOH significantly decreased in fatigue ( $p < .0005$ , Cohen's  $d = 1.04$ ), as did MH ( $p = .02$ , Cohen's  $d = .68$ ). Cortisol slope significantly decreased for HOH, vs. both MH and control ( $p < .04$  both cases; Cohen's  $d = .58$ ). Belief predicted changes in QOL over and above group status ( $p = .004$ , Cohen's  $d = .84$ ). Belief did not impact fatigue or cortisol outcomes. Data for cytokines and oxytocin are currently being assayed.

**CONCLUSIONS:** Both hands on healing and touch alone reduce fatigue; these results suggest that non-specific factors such as touch and interaction play a role in effects of hands-on healing on self-reported fatigue. However, the larger and clinically significant effect size found for HOH vs. MH suggests a need to further examine potential additional effects of HOH on fatigue. Belief in receiving healing plays a major role in QOL responses to this intervention and points to the need to directly assess patient's belief systems when examining effects of biofield interventions. Hands-on healing increases cortisol variability independent of belief and other nonspecific factors. There is a need to further examine specific and nonspecific processes of healing on outcomes for cancer patients and survivors.

*Bio: Dr. Jain is a Senior Scientist and Program Manager in the Brain, Mind, and Healing Division of the Samuelli Institute. At the BMH Division, Dr. Jain engages in and oversees research related to biofield, mind-body, and consciousness effects on healing. Dr. Jain's research interests lie in the psychoneuroimmunological underpinnings of biofield/spiritual healing, mind-body, and whole-systems interventions for cancer. Dr. Jain has conducted NIH and other extramurally-funded clinical trials in biofield healing as well as in mindfulness meditation.*

Contact: Dr. Shamini Jain [sjain@siib.org](mailto:sjain@siib.org)

Abstract # 17

The Effects of Self-Massage On Osteoarthritis of the Knee: A Randomized, Controlled Trial  
**Atkins, D.**, Eichler, D.

Synopsis

This study provides preliminary evidence that the application of self-massage to the quadriceps muscle reduces knee pain, stiffness, function and affects knee range of motion in knee osteoarthritis.

Background: Massage has been well documented as an effective therapeutic intervention for various musculoskeletal conditions including osteoarthritis (OA) of the knee; however, self-massage as a therapeutic intervention for OA of the knee has not been previously investigated.

Aim and Objective: The objective of this randomized controlled trial was to investigate the effects of a self-massage intervention applied to the quadriceps muscle on reported pain, stiffness, physical function and knee range of motion in individuals with diagnosed OA of the knee.

Participants and Methods: Of the 42 adults with diagnosed knee OA, 40 were randomly assigned to either an intervention (n=21) or a wait list control (n=19) group. The participants applied the narrated 20-minute self-massage therapy, twice weekly, during 10 supervised, and 3 unsupervised intervention sessions. The control group had 4 supervised assessments with no intervention.

Outcome measures consisted of the Western Ontario and McMaster's Osteoarthritis Index™ (WOMAC), and active range of motion. Data were collected at baseline, twice per week for eight weeks and at follow-up on the twelfth week.

Results: The intervention group showed significant improvements in twelve week follow-up post-intervention for: pain (p<.001), joint stiffness (p<.001), physical functioning (p<.001), global WOMAC (p<.001), right flexion (p<.001), left flexion (p<.001), both flexion (p<.001), right extension (p<.001), left extension (p<.001), and both extension (p<.001). All changes for the treatment group were statistically-significant changes relative to baseline. For the control group there were no statistically-significant changes relative to baseline.

Conclusions: The study demonstrated that participants who have OA of the knee may benefit from the self-massage intervention therapy and consistent self-massage therapy may equate to more improved results. Further studies are needed to clarify the long-term effects of self-massage on the progression and symptoms of OA of the knee

*Bio: Dorothea V. Atkins has a Th.D. in Spiritual Healing and Medical Intuition from Holos University Graduate Seminary. Her dissertation research in self-massage for osteoarthritis of the knee, led to an evidence-based, safe, and easy to learn, form of self-massage that stimulates the body's innate ability to ease knee pain. Dr. Atkins' years of experience as a nurse, educator and massage therapist has given her unique insight into not only the physiological and psychological benefits of massage and self-massage, more importantly, the need for the wide*

*spread education of patients and health-care professionals to learn and teach this holistic patient-centered self-help technique.*

Contact: Dr. Dorothea Atkins dmessage1@comcast.net

Abstract # 6

The "Spontaneous" Remission of Cancer: Theories from Healers, Doctors, and Cancer Survivors  
**Turner, K.,** Teich, A.

Purpose: "Spontaneous Remission" (SR) of cancer is defined as a remission that occurs in the absence of Western medical treatment(s), or after Western treatment has failed to remit the disease. Understanding why and when SR occurs could lead to significant advances in cancer research. The present qualitative study was undertaken to collect a foundation of hypotheses for SR on which future match-controlled studies may be based.

Methods: 50 healers/doctors from 11 different countries (U.S., China, Japan, New Zealand, Thailand, India, England, Ireland, Zimbabwe, Zambia, and Brazil), as well as 20 cancer survivors who have experienced SR, were interviewed regarding why SR may occur. The 20 cancer survivors were also given a survey that collected descriptive information. Qualitative content analysis was performed on all interview transcripts. Note: This study was the lead author's dissertation research at the University of California, Berkeley.

RESULTS: Six "treatments" that may elicit SR emerged most frequently among both SR and Healer subjects: 1) Radically changing one's diet, 2) Taking herbal/vitamin supplements, 3) Releasing negative and/or repressed emotions, 4) Increasing positive emotions, 5) Trusting one's own intuition regarding health decisions, and 6) Deepening one's spirituality. In addition, two theories emerged frequently among the Healer/Doctor group only: 1) Unblocking or infusing energy, and 2) Strengthening the immune system. Finally, three underlying theories about health emerged: 1) In order to remit cancer, one must change the underlying conditions that allow it to thrive, 2) Illness=Blockage/Slowness; Health=No Blockage/Movement, and 3) A body-mind-spirit interaction exists, and energy permeates all three of these levels. These findings will be discussed further during the presentation.

CONCLUSION: Researchers are encouraged to use the results of this study to design quantitative studies on SR that can test for causality.

*Bio: Kelly Turner received her PhD in 2010 from the University of California at Berkeley in the field of Oncology Social Work. Previously, she received her BA from Harvard University and her Masters in Social Work from UC Berkeley. Her research focuses on psycho-behavioral interventions that can help to remit cancer, and on the Spontaneous Remission of cancer. She and her husband, Aaron Teich, are the founders of Shuniya Health & Healing, a holistic health practice and research center in New York City.*

Contact: Dr. Kelly Turner kellyturner@shuniyahealing.com

Abstract # 31

A Unified Theory of the Effects of Energy Psychology and Energy Healing on the Human Body  
**Connor, M.**

Energy Psychology and Energy Healing find roots in several different areas: meridian theory, electrical-dermal skin response, neuro-anatomy, emotional response patterns, frequency modulation, plasma physics, the nature of water and basic body physiology. The author will outline the specific impact of each of these areas and the relevance to energy psychology. Then a theory of the sequences of interactions between these areas creating an overall effect on the client will be presented with suggestions for specific research studies which would be able to clarify and confirm the processes and interactions.

*Bio: Melinda has been a healer in professional practice since 1987. A born clairvoyant, her initial training in the energies came from within her family. Ordained as a Buddhist Priest, Dr. Connor has trained as a clinical psychologist, neuropsychologist, drama therapist, massage therapist and in over twenty different styles of energy healing. Dr. Connor received her training as a research scientist at the University of Arizona under Dr. Andrew Weil and Dr. Iris Bell. Currently a member of the teaching staff for the Integrative Energy Healing certificate program at Langara College in Vancouver, Canada, and Everest College – Online, Phoenix, AZ, Dr. Connor is the CEO of the National Foundation for Energy Healing and has a private healing practice in Arizona. She is the author of two books “See Auras!” and “Professional Practice for the Energy Healing Practitioner.”*

Contact: Dr. Melinda Connor melinda\_connor@mindspring.com

**Plenary Presentation:**

***Dr. Susan Lutgendorf, Ph.D.***

Department of Psychology  
University of Iowa  
susan-lutgendorf@uiowa.edu

Professor, Departments of Psychology, Obstetrics  
and Gynecology, and Urology  
Member, Holden Comprehensive Cancer Center  
Starch Faculty Fellow and Faculty Scholar  
Fellow of the Academy of Behavioral Medicine



**Use of Healing Touch in Oncology: Findings, Models, and Methodology**

**Learning Objectives:** Participants will

- 1) be able to identify the role of complementary interventions in oncology research.
- 2) be able to identify the beneficial effects of Healing touch on the immune system in cervical cancer patients.
- 3) will be able to describe methodological issues in the study of biofield therapies in cancer.
- 4) be able to identify controversies surrounding research in biofield therapies and the emergence of new scientific paradigms

**Abstract:**

Biofield therapies are frequently used by cancer patients but the research supporting their efficacy is limited, and little is known about physiological effects and optimal dosage. This talk will discuss results of a prospective randomized clinical trial examining effects of Healing Touch versus relaxation training and usual care for supporting cellular immunity, improving mood and quality of life, and reducing treatment-related toxicities among cervical cancer patients. Methodological issues will be highlighted, and applications to other cancer populations and pre-clinical research will also be discussed.

***Bio:** Susan Lutgendorf, Ph.D. is a Professor in the Departments of Psychology, Obstetrics and Gynecology, and Urology and a member of the Holden Comprehensive Cancer Center at the University of Iowa. She received her Ph.D. in Clinical Health Psychology from the University of Miami under a pre-doctoral training grant fellowship in Behavioral Immunology from the National Institutes of Health (NIH). Her postdoctoral training was completed at the University of Iowa Center on Aging, supported by a National Research Service Award post-doctoral fellowship from the NIH.*

*Dr. Lutgendorf serves on the editorial boards of *Brain, Behavior, and Immunity*, *Psychological Bulletin*, *Health Psychology*, and the *International Journal of Behavioral Medicine* and on the Councils of the *Psychoneuroimmunology Research Society* and the *Academy of Behavioral Medicine Research*. Dr. Lutgendorf's work has been recognized by a *New Investigator Award* from the *Psychoneuroimmunology Research Society* in 2004, an *Early Career Award* from the *American Psychosomatic Society* in 2002 and by an award from the *American Psychological Association, Division 38 for Outstanding Contributions to Health Psychology* in the year 2000. She currently serves as a core member of the *National Cancer Institute Biobehavioral Research Network*.*

**Panel Discussion:**

***The Toughest Research Problems Facing Energy Medicine Research***

**Learning Objectives:** Participants will

- 1) list research questions in energy medicine requiring new or difficult methods for investigation.
- 2) describe research protocol designs appropriate to these investigations.
- 3) identify interactions among variables in physical, physiological, psychological and spiritual processes in these research designs.



Moderator: *Dr. Bernard O. Williams*

Professor Williams is President of the Center for Environmental Energy Medicine Studies in Lawrence, Kansas; Professor in the Energy Medicine/Spiritual Healing program of the Holos University, Bolivar, Missouri, and Dean of Graduate Studies at Energy Medicine University, Sausalito, California. In these capacities, he has chaired a wide range of Doctorate and Master degree research projects in energy medicine and spiritual healing. Dr. Williams is a Certified GDV instrument user, operator and trainer; as well as a Certified GDV Researcher and a Plenipotentiary member for the USA of the International Union of Medical and Applied Bioelectrography, where he serves on the Editorial Board of the GDV Bioelectrography Series. One of his more recent publications is a chapter on subtle electromagnetic therapies in the second edition of Leonard Wisneski and Lucy Anderson's textbook *The Scientific Basis of Integrative Medicine*, published by CRC Press in 2009.

**Panel Members:**

***Dr. Beverly Rubik***

Beverly Rubik earned her Ph.D. in biophysics in 1979 at the University of California at Berkeley. She is internationally renowned for her pioneering research in frontier science and medicine, especially in energy medicine. She has published over 100 papers and 2 books. Dr. Rubik presently serves on the editorial boards of *Journal of Alternative & Complementary Medicine* and *Integrative Medicine Insights*. She is founder and president of Institute for Frontier Science, a nonprofit laboratory in Oakland, CA; core professor, doctoral programs, Interdisciplinary Studies at Union Institute & University in Cincinnati, OH; adjunct professor, Integrative Health Studies, California Inst of Integral Studies, San Francisco, CA; and occasionally teaches at Saybrook University in the College of Mind-Body Medicine, also in San Francisco. She maintains a small holistic health practice in Emeryville, CA

***Dr. Koji Tsuchiya***

Koji Tsuchiya, Ph.D., is a senior researcher and a project director of California Institute for Human Science (CIHS), in Encinitas CA. He also teaches the AMI device courses to graduate students at the CIHS. The current approach of experimental studies at the Subtle Energy Laboratory of CIHS is to investigate the changes in the subtle energy conditions of individual subjects through a variety of Energy Healing trials. His paper describing the case study of "Pranic Healing", which is a modality of the Non-Touch Energy Healing, was published in Vol. 20, #2 of *Subtle Energies & Energy Medicine* (2010). Another case study paper of his on "Reconnective Healing" has also been accepted for publication in the ISSSEEM journal.

***Dr. Shamini Jain***

Shamini Jain is a Senior Scientist and Program Manager in the Brain, Mind, and Healing Division of the Samuelli Institute. At the BMH Division, Dr. Jain engages in and oversees research related to biofield, mind-body, and consciousness effects on healing. Dr. Jain's research interests lie in the psychoneuroimmunological underpinnings of biofield/spiritual healing, mind-body, and whole-systems interventions for cancer. Dr. Jain has conducted NIH and other extramurally-funded clinical trials in biofield healing as well as in mindfulness meditation. She

has authored numerous peer-reviewed publications in integrative medicine and PNI, and has received several awards from scientific organizations for her scientific work.

Dr. Jain graduated with her B.A. in Neuroscience and Behavior from Columbia University, and obtained her M.A. degree in Integrative Health Psychology at the University of Arizona, with Drs. Gary Schwartz and Iris Bell as mentors. She obtained her Ph.D. degree from the SDSU/UCSD Joint Doctoral Program in Clinical Psychology, with a research focus in Psychoneuroimmunology, under the mentorship of Dr. Paul Mills. Dr. Jain completed her post-doctoral fellowship at the UCLA Division of Cancer Prevention and Control Research with Drs. Lonnie Zeltzer and Michael Irwin.

***Dr. Karl Maret***

Karl Maret, M.D., M.Eng., is a member of the Board of Directors of ISSSEEM. A former treasurer of ISSSEEM and Program Conference Chair, Karl holds a Masters in Engineering and an MD from University of Toronto, Canada. His post-doctoral fellowship was done in pulmonary physiology at the University of California, San Diego. He is the President of the Dove Health Alliance Foundation and has a private practice in Aptos, CA. A researcher in complimentary medicine since the 1980's, Karl is a member of the New York Academy of Sciences, the American Association for the Advancement of Science and a member of the German Society for Energetic and Informational Medicine.

**Plenary Presentation:**

**Glen Rein, PhD**  
Founder,  
Quantum Biology Research Lab



**The Effects of Conscious Intention on Human DNA**

**Learning Objectives:** Participants will

- 1) list three experimental techniques used to measure the effects of conscious intention on human DNA
- 2) describe the macroscopic quantum properties of DNA
- 3) define which electrical property of DNA is sensitive to conscious intention
- 4) identify which healing arts practitioners slow down DNA rewinding

This presentation will give an overview of research by the author demonstrating the effects of conscious intention of healing arts practitioners and meditators to change the physical and electrical properties of purified human DNA, as well as its biochemical properties in living cells in-vitro. Experiments by the author will be described where healing arts practitioners influenced the conformation of purified human DNA. In these experiments, the two strands of the DNA helix were unwound (heat denaturation) and subsequent rewinding or further unwinding was measured using a spectrophotometer. These studies demonstrated that depending on the intention, DNA could either wind or unwind (compared to untreated controls). These effects were measurable whether the practitioners were near the DNA sample or miles away (non-local). In a similar set of experiments, the rate of DNA rewinding was measured. Some healing arts practitioners slow down rewinding, whereas others accelerate rewinding. Since these healing arts practitioners were just practicing their respective techniques and did not have a specific intention to influence DNA, the results suggest that there are two types of healing energies which apparently produce opposite effects on the body. These biphasic results were confirmed when the electrical activity of DNA was measured, since both positive and negative spikes could be observed. The implications of this finding for individuals seeking a healer's help will be discussed. In-vitro experiments were also performed measuring DNA synthesis or cell division using either human lymphocytes or human tumor cells in tissue culture. Results confirmed previous experiments with purified DNA where increases or decreases in cell growth were observed depending on the intention of the healing arts practitioner. Furthermore, the results demonstrate that some "healing" intentions are more effective than others. Finally the results indicate a complex relationship between intention and imagery, since this practitioner could separate these states of consciousness. The presentation concludes with experimental research by colleagues demonstrating that DNA, like other biomolecules, has a subtle energetic holographic blueprint which can be carried by laser light and produce biochemical effects when the information-bearing laser is projected onto a biological system. The presentation will end with a theoretical discussion about the quantum nature of DNA's holographic information field and propose quantum information be considered as a new definition of subtle energy. Furthermore, the DNA antenna theory will be presented to explain how subtle energy associated with conscious intention of healing arts practitioners can regulate and influence all biochemical processes.

**Biography:**

*After receiving a Ph.D. in Biochemistry, Dr. Rein pursued an orthodox biomedical research career for 25 years at prestigious academic institutions culminating with an Assistant Professorship at Mt. Sinai Medical School. In 1988 he left academia to establish the Quantum Biology Research Lab to do pioneering research in Energy Medicine by characterizing new forms of energy by virtue of their effects on biological systems and water. Dr. Rein is the author of the book Quantum Biology: Healing with Subtle Energy and has published over 30 articles in top biomedical journals and books. He has lectured internationally and has made numerous media appearances on radio and TV. Dr. Rein is on numerous scientific/editorial boards including JACM. He presently consults.*

## **The Emerging Scientist Awards**

Selection is made by a panel of judges from the board of directors, the program committee and the peer review committee.

The ***Bernard Grad*** emerging scientist award is given regardless of age to those individuals who are within a year pre or post graduation from an accredited graduate school training program and have submitted a research study that is selected for a talk that demonstrates a commitment to research in subtle energies.

### ***The eligible list for this year includes four of our scientists:***

Kelly Turner, Ph.D. (University of California Berkley, 2010)  
The "Spontaneous" Remission of Cancer: Theories from Healers, Doctors, and Cancer Survivors  
**Abstract # 6**

Deborah Goldberg, Th.D. (Holos University, 2011)  
The Effects of Healing Touch on Anxiety in Patients Undergoing a Breast Biopsy  
**Abstract # 7**

Faith Burris, Th.D. (Holos University, 2011)  
Drawing the Unconscious: A Research Study Using a Metaphoric Life Portrait™ to Reduce Anxiety and Enhance Well-Being  
**Abstract # 11**

Dorothea Atkins, Th.D. (Holos University, 2010)  
The Effects of Self-Massage On Osteoarthritis of the Knee: A Randomized, Controlled Trial  
**Abstract # 17**

The ***Rustum Roy*** emerging scientist award is given regardless of age to those individuals who are within a year pre or post of graduation from an accredited undergraduate university training program and have submitted a research study that is selected for a talk that demonstrates a commitment to research in subtle energies.

### ***The eligible list for this year includes two of our scientists:***

Namuun Bat, B.A. (Ohio Wesleyan University, 2010)  
A Systematic Review of Biophoton Emission  
**Abstract # 20**

Caitlin Connor, (Mount Holyoke College, 2012)  
Dowsing: Anchoring in Time  
**Abstract # 30**

## **BREAKOUT SESSIONS:**

### **Session 1 Methodology and Research Training**

***Moderator: Dr. Vaughn Cook***

Abstract #34

Basic Preparation for a Research Project – The Steps

**Lee, D., Connor, M.**

There are many steps to take to create a quality research project whether you wish to do a single case study, a pilot study, or a multi-center phase 3 clinical trial. This presentation will go over the steps common to all forms of research and then give some specific differences between quantitative and qualitative studies.

Bio: Diana Lee has 23 years' experience in and around biological research, primarily while on the business side of science, and an A.B. in Biology from Bryn Mawr College. Her familiarity with a wide range of experimental approaches, methods, and instruments – and their associated forms of data – gives her a comprehensive perspective on how science and medicine work. She is also a life coach emphasizing wellness and its connection to spirituality, and has been on a decade-long personal exploration of the relationships among food, nutrition, health happiness and vitality. Her mission is to bring joy and well-being wherever she goes. She says, “If you can’t connect with the miracle you walk around in every day, then nothing else matters.”

Contact: Diana Lee [diana@sacreddogproductions.com](mailto:diana@sacreddogproductions.com)

Abstract # 21

A survey of the contributions of energy medicine to our understandings of the human body in health and disease.

**Oschman, J.**

The successful use of energy medicine in clinical practice is breaking down traditional barriers that have long excluded energetic considerations from theory and practice of modern western medicine. These successes include treatments for conditions previously classed as incurable; treatments that are safe and effective with minimal or no side effects; treatments that resolve causes of medical problems rather than providing symptomatic relief; treatments that involve very small amounts of energy; and treatments that by their nature provide quick feedback to the practitioner and patient. The presentation will summarize some of the key methods and investigators involved in specific categories:

Energy circuits and fields. Long a topic of controversy, there is now abundant evidence that the human body has various kinds of energy circuits that provide for movements of electrical charges and that these charge movements generate various kinds of fields in the space around the body.

Frequency and vibrational medicines. Many of us have lived during the golden age of pharmaceutical medicine. For a long time it was widely believed that the industry would eventually develop a pill for every disease. While many life-saving drugs have been discovered, many seemingly successful pharmaceuticals have turned out to have unacceptable side effects. Energy medicine is now pointing toward devices and natural remedies that emit frequencies that are extremely potent, that can be applied as vanishingly small amounts of energy, and that have virtually no side effects.

Bodywork and movement therapies. Clinicians in these fields are making remarkable discoveries showing how rapidly human structure and movement patterns can be brought into balance, with many therapeutic benefits. Moreover, research in these areas is providing new and sometimes surprising information on how the body adjusts to its environment.

Earthing and chronic disease. Recent research is revealing the anti-inflammatory effects of connecting the human body to the surface of the earth.

Aging. Greater understanding of the aging process and what can be done about it is leading to cost-effective treatments that can slow aging and the onset of its consequences.

Distant healing. Long considered “off limits” to scientific inquiry, modern developments in quantum physics are leading to plausible and testable hypotheses about prayer and distant healing.

Bio: Jim Oschman is one of the first academic scientists to investigate the basis for complementary and alternative therapies, including energy medicine. He has published some 30 full-length scientific articles in leading academic journals and 50 articles in alternative and complementary therapy journals, as well as several books. Dr. Oschman has degrees in Biophysics and Biology from the University of Pittsburgh, and has worked in major research labs around the world. Jim has served as Acting President of the New England School of Acupuncture and as President of ISSSEEM. Dr. Oschman continues research and writing in Dover, New Hampshire, and presents lectures and workshops on energy medicine around the world.

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Abstract # 9  
Envisioning a Multidimensional Research Model  
**Bair, C.**

Our emerging field is constantly asked to scientifically verify the effectiveness of energy medicine. Entering the second decade of the 21st C., we are experiencing the frustration of using a 20th C. methodology of investigation. The inadequacies of the classical empirical method are clear. Less clear is how to study factors like consciousness, intention, and subtle energy in a reliable way. This presentation includes a brief overview of relevant principles followed by an

interactive discussion that invites your participation in developing a methodology adequate for the expanded realm we investigate and work with.

Bio: Life scientist Dr. Christine Bair has spent more than three decades investigating the interactions of the physical, psychological, and spiritual dimensions of human being. She has published bioenergy research, authored numerous articles, and teaches and speaks on related topics. She received her doctorate from Holos University where she is currently the Vice-chair of the Board of Directors.

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Abstract # 24

To Mock or Not to Mock--That is the question . . . .

**Layte, K.**

Clinical trials in biofield therapies continue to be plagued with methodological issues. Control group selection continues to be an area of inconsistency amongst researchers. This presentation will systematically explore the pros and cons of the different types of control groups that are currently being used in biofield therapy clinical trials using the European Medicines Agency (2001) guidelines for choice of control groups in clinical trials. Placebo effects, use of mock or sham practices and controlling for attention will be addressed.

Bio: Kathy Moreland Layte MScN, HTCP/I has practiced Healing Touch for over 17 years in private practice, oncology nursing and as an educator. She is currently a fulltime professor of nursing and a PhD student at McMaster University in Southern Ontario, Canada working on her dissertation exploring the impact of Healing Touch on chronic pain in older adults. She is published in the Healing Touch Guidebook, is co-chair of the Research Advisory Council for Healing Touch Program and contributor to Energy on-line Magazine.

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## **Session 2 Clinical and Technique Studies**

***Moderator: Dr. Susan Russell***

Abstract # 23

Investigation of the Efficacy of Distance BodyTalk Treatments for Chronic Pain Conditions

**Stuve, L., Galipo, J., Liu, H., Taylor, T., Gianettoni, J.**

Purpose: To evaluate the efficacy of a novel form of energy medicine, BodyTalk, for the treatment of chronic pain, using a randomized single blind study design.

Materials/Methods: BodyTalk is non-diagnostic therapy that works with the body in its natural healing process, using a neuromuscular biofeedback protocol to establish priorities for healing. In case studies, BodyTalk has shown effectiveness in pain management in both in person and distance treatments.

Sixty individuals were randomly divided into a treatment and control group. Individuals were monitored for 9 weeks using the Patient-Reported Outcome Measurement Information System (PROMIS) of self-reporting for physical and emotional health factors developed by the NIH Roadmap Initiative effort. The subjects filled out weekly on line questionnaires on their level of pain, the impact of their pain condition on their daily lives, and emotional factors (anxiety, depression, anger) as well as other indicators of overall health such as fatigue, and sleep. Baseline data was collected prior to the treatments, and then during the course of 8 weekly BodyTalk treatments. By using distance treatments, the subjects were blinded as to whether they were receiving treatments. Each subject had a weekly appointment time, during which they were told to sit or lie quietly. They had been informed that they had a 50:50 chance of being in the treatment group and receiving a BodyTalk treatment, or of being in the control group and receiving no treatment. A group of 6 certified BodyTalk practitioners, worked remotely on the 30 individuals in the treatment group, working with a photograph of the subject and health history intake information. Each subject in the treatment group received sessions from at least 2 different practitioners to minimize bias in the effectiveness of different practitioners. We monitored the subjects for improvement in the level of pain, and the impact of their pain condition on their lives, during the course of blinded treatments in the two groups.

Results: After the 8 treatments, significant improvement in pain level was observed in more than 50% of the individuals in the treatment group and only 10% of the individuals in the control group ( $P < 0.001$ ).

Conclusion: The results suggest that a series of BodyTalk treatments are effective in pain reduction for some chronic pain sufferers and that a larger scale study to further evaluate the potential of BodyTalk treatments for management of chronic pain conditions would be of value.

Bio: Dr. Laura Stuvé is a Ph.D. molecular biologist, an advanced BodyTalk practitioner and a Certified BodyTalk Instructor. Laura is currently directing a pilot research study for chronic pain treatment with BodyTalk with Be Healthy, Inc. Laura received a Ph.D. in Biochemistry from UCSF and completed post-doctoral work on the Human Genome Project at Stanford. She had a successful research career in human molecular genetics in academia and the biotech industry for 25 years. She has directed government grants and pharmaceutical collaborations investigating the genetic basis of a number of common diseases. Her lifelong interest in alternative medicine led her to discover BodyTalk, which she has been studying and practicing for the past 6 years.

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Abstract # 7

The Effects of Healing Touch on Anxiety in Women Undergoing a Breast Biopsy  
**Goldberg, D.**

Purpose: Healing Touch is a bio-energetic technique that reduces anxiety and enhances relaxation. This research study was designed to determine the effects of a Healing Touch



modality known as Magnetic Clearing, a non-invasive healing technique, on anxiety for women undergoing a breast biopsy.

**Materials/Methods:** In a randomized study, women scheduled for a breast biopsy procedure were invited to participate in this research. Seventy-three women were randomized into one of two groups: Control Group (A) and Intervention Group. (B). Group (B) received one fifteen-minute Magnetic Clearing session prior to the biopsy procedure. Group (A) was offered free the intervention of Magnetic Clearing after the study was to be completed. Data collection for both the Control and Intervention Group included two quantitative measurements: The Coping Resources Inventory (CRI) and the State Trait Anxiety Inventory (STAI) and three biological measurements: respiratory rate, pulse rate, and blood pressure.

**Results:** Using a one-way ANOVA to interpret the State-Trait Anxiety Inventory, both pre- and post-intervention and the day after the intervention, the State Anxiety of the Intervention Group showed a statistical significance (  $p$ -value  $< 0.001$ ) in reducing anxiety and maintained that difference in a reduction of anxiety, post-biopsy, through the following day ( $p$ -value = 0.002). In the Control Group for the State Anxiety, statistically speaking, there was no change pre-and post-intervention to the day after ( $p$ -value = 0.371). In the Trait Anxiety scores, no significant change in either group over the same period of time was indicated within the Control Group ( $p$ -value = 0.062) and the Intervention Group ( $p$ -value = 0.155). In the CRI, there were no significant changes for the same periods within the Control Group ( $p$ -value = 0.576) or the Intervention Group ( $p$ -value = 0.659). These findings were inclusive of the five sub-groups on the CRI. In regard to the respiratory rate, the Control Group had no significant change ( $p$ -value = 0.892) yet, in the Intervention Group, there was a significant change in the reduction of the respiratory rate ( $p$ -value  $< 0.001$ ).

For the pulse rate, the Control Group demonstrated no significant change ( $p$ -value = 0.2400), however, in the pulse rate among the Intervention Group, there was significant decrease in the pulse during the same time period ( $p$ -value = 0.002).

Regarding blood pressure (systolic) among the Control Group and Intervention Group, there was no significant change in the same time period for the Control Group ( $p$ -value = 0.211) and the Intervention Group ( $p$ -value = 0.086). Yet, this finding is close to significant using a 0.05 level of significance. Regarding blood pressure (diastolic), both the Control ( $p$ -value = 0.211) and Intervention ( $p$ -value = 0.071) Group showed no significant change in the same time period. However, this finding is close to significant using a 0.05 level of significance.

**Conclusion:** This study supports the use of the Healing Touch modality known as Magnetic Clearing, on anxiety for women undergoing a breast biopsy.

**Bio:** Deborah Goldberg, Th.D. is in private practice working as a psychotherapist in Minneapolis MN. She specializes in Family of Origin therapy; she is a Healing Touch Level V Practitioner, a Level II EMDR practitioner, she has an advanced clinical hypnotherapist certification, she has also been trained in executive coaching and is a Rule 114 mediator. She received her Bachelors from Western Washington University with an emphasis in Counseling, her Masters from Bastyr University with and emphasis in Family of Origin therapy. Deb is a teacher, lecturer and

workshop presenter. She has taught or lectured in Washington, Mexico, Wisconsin, and Minnesota and in Arizona.

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Abstract # 11

Drawing the Unconscious: A Research Study Using a Metaphoric Life Portrait™ to Reduce Anxiety and Enhance Well-Being

**Burris, F.**

**Objective:** To substantiate the importance of providing individuals with a more synthesized, holistic perception of their reality by helping them retrieve subconscious metaphoric information that could then be viewed from the perspective of both super-conscious and conscious awareness. The hypothesis was that these new perspectives would catalyze positive personal changes. This study sought to accomplish the above through the implementation of a Metaphoric Life Portrait™ (MLP™). The MLP™ can be perceived as representing past life memories, archetypal images from Jung's collective consciousness, or even, unconscious characteristics and qualities within the participants' personalities.

**Materials/Methods:** This study was a mixed methods study as it combines quantitative data with supportive material, specifically audio-taped telephone interviews and anecdotal feedback, illustrating qualitative points. The first aspect of the research design was based on three telephone interviews, using a preset discussion guide to collect qualitative data in an audio recorded format from thirty volunteers. The Principal Investigator (PI) created a Metaphoric Life Portrait™ (also referred to as "the portrait") following the preliminary interview. The portrait, following a brief self-awareness exercise, was introduced to the participant during the first follow-up interview. A final interview was conducted two weeks later. The verbal data from the audio-taped telephone interviews, along with anecdotal feedback were reviewed by the PI for subjective experiential data. The hypothesis was that a MLP™ reduces adults' levels of anxiety and enhances their physical, mental, emotional and spiritual well-being.

The State –Trait Anxiety Inventory (STAI) was used to measure anxiety levels. Baseline data were collected using the STAI immediately prior to the first telephone interview. The intermediate test was administered the next day following the introduction of the portrait and the posttest was administered two weeks later. The Change and Transformation Assessment (CATA), a posttest only, measuring physical, mental, emotional and spiritual well-being, was also administered with the STAI posttest. Demographic data were analyzed from Personal History Information forms.

**Results:** showed that the method used for participants receiving a MLP™ demonstrated statistically lower levels of both state anxiety ( $p < .05$ ) and trait anxiety ( $p < .001$ ) two weeks after receiving the intervention.

**Conclusion:** Correlational results from the CATA suggest that the method used for participants receiving a MLP™ has a positive effect on their physical, mental, emotional and spiritual

wellbeing, particularly in the areas of awareness, openness, transformation and spirit. Qualitative reports also strongly suggest that changes did occur.

Bio: Dr. Faith Burris is a recent graduate of Holos University. She left her management position of 25 years in the business community to pursue her personal healing of systemic lupus. Her subsequent healing led to her training as a Life Coach and she is certified as an Archetypal Consultant through CMED. She lives with her husband in Hot Springs, AR. They own a mini-retreat center, Spirit Lodge, designed for overnight lodging, retreats, and small seminars. Her interest in intuition, past lives, and archetypes evolved into the concept of Metaphoric Life Portraits™, a process of intuiting and then sketching unconscious patterns of behavior as archetypal images. She plans further work with this modality to support individuals in uncovering patterns that may hinder their conscious behaviors and spiritual growth.

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Abstract # 18

A single-case study of the effects of energy healing on human energy field using infrared energy scan.

**Liu, H.**

Purpose: 1. To observe and measure changes in human energy field (HEF) upon energy healing using infrared energy scan (IES); 2. To compare the effects of different healing techniques and effects observed on both the healee and healer.

Introduction: At present, there are very few imaging technologies that are available to observe HEF and its dynamics. So far, kirlian photography is perhaps one way that HEF is seen. In this work, IES was thoroughly investigated for observing HEF - its manifestation on human body and energy dynamics caused by external stimuli such as energy healing. A single-case study is presented here for demonstration purposes.

Materials & Methods: IES was performed using a commercial infrared scanner from the human body. In this single-case study, images were obtained from a study subject who was receiving energy healing and an energy healer who was giving energy healing. The energy healing was applied using 3 different techniques (Reiki, Reconnection, and Intuition healing), one of them was repeated and given distantly (5 miles away). Each method was applied on a different day. Images were recorded before and after the energy healing from the healee and healer separately. Images were assessed with respect to the whole-body patterns and degree of changes pre and post energy healing. Differences in the effects of the healing techniques and the effects observed on the healee and healer were examined.

Results: IES underwent visible and measurable changes after the energy healing was given for all healing techniques. Such changes were consistent despite of using 4 different healing methods. Both the healee and the healer showed changes in the image patterns, suggesting that the healing effect also occurred to the healer at the same time. However, the patterns of changes differed in the healee and healer - each individual underwent their own changes upon healing, suggesting the process of healing was unique for the healee and healer.

Conclusions: HEF as observed with IES showed measurable changes upon energy healing. Different healing techniques studied produced consistent effects seen from IES. The effects were observed both on the healee and healer, though each had different response from the energy healing.

Bio: Dr. Helen Liu, is the Director of the TTM Wellness Center, Houston, Texas, where her practice includes energy healing, spiritual counseling, spiritual science. She holds a BA in Biomedical Engineering, Qinghua University, Beijing, China, 1987-1992 and a PhD, Biomedical Science, Mayo Clinic, Rochester, Minnesota, 1992-1998. She was a member of the faculty, Radiation Oncology, Univ. of Texas MD Anderson Cancer Center, Houston, Texas, 1998-2008. Dr. Liu combines her unique experience in mainstream medicine and science, with holistic practice and spiritual insight. She serves as a bridge between the east and west, science and spirituality, seen and unseen.

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### **Session 3 Clinical and Review Studies**

***Moderator: Dr. Scott Anderson***

Abstract # 26

Integrating the physical & spiritual sciences: Kashmir Shaivism and the roots of modern physical science

**Syldona, M.**

Kashmir Shaivism is an ancient Eastern science tradition which describes both universal manifestation, and that of a human being, in a most elegant and complete way. It also describes the processes and practices involved in ultimate human psychospiritual development. Therefore, on the one hand it describes both levels of reality from which the universe (and a human being) originate, and those levels of actual manifestation of the physical universe and human beings. On the other hand, it describes the process through which a human being develops to attain the highest levels of human evolution. Along with this evolution comes the capacity to access the kind of knowledge and intuition that produce the ‘Einstein moments’, or ‘A-HA! moments’, which can lead to profound breakthroughs in modern science.

Parallels can be found between Kashmir Shaivism and modern science in areas such as human developmental processes, perception and quantum physics – to name a few. With respect to modern physics, some of these parallels involve phenomena such as field forces and the vacuum.

In his book *Science and Spirituality*, Swami Ranganathananda called for “knowledge maturing into wisdom through the integration of the two energy streams of the physical sciences and the science of spirituality”, and that this confluence alone “holds the promise of our amazing modern scientific civilization progressing steadily in the direction of universal well-being, peace, and fulfillment – individual and collective”. Furthermore, Sw. Gopalananda, in his Foreword to *Yoga Philosophy of Patanjali* (by Sw. Hariharananda Aranya), states that the tendency in western

spiritual traditions is to focus on becoming a righteous, good human being, but not to attain yoga – the state of “Knowing thyself”. He goes on to point out that when we know ourselves, we know the universe, divinity; “we know everything”.

Considered in a wider scope, then, it’s not surprising that other spiritual traditions/sciences may also be seen as ‘roots’ of modern science. Spiritual adepts from a variety of different traditions report experiencing scientific phenomena that most of the rest of the world learns about in books, or creates theories about after much intellectual study in the sciences. In this vein, some of the works of the brilliant mathematician-philosopher Franklin Merrell-Wolff, who had knowledge of Eastern traditions other than Kashmir Shaivism, and of Western Christian contemplative and educator, Bernadette Roberts, will also be briefly reviewed to illustrate interesting and potentially important parallels between spirituality and modern science.

Bio: Dr. Syldona’s academic degrees, postdoctoral fellowships, internships and teaching experience range from science and engineering to electrophysiology, Eastern psychospiritual traditions and clinical psychology at institutions including Carnegie-Mellon University, California School of Professional Psychology, Stanford University Medical School, Brown University and State University of New York, Stonybrook, Medical Schools. Her world view has held a strong component of spirituality since childhood, and her major areas of interest are “bridge work” between: science and spirituality, ancient and modern, and wisdom of East and West. Among the Eastern psychospiritual sciences she has studied and/or practiced are Shotokan Karate, TM, Vedanta, Patanjali Yoga Sutras, Vipassana, and Kashmir Shaivism. Dr. Syldona is currently director of the Institute for Human Psychospiritual Development.

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#### Abstract #33

LifeWave Energy Patches Increase Strength, Flexibility and Endurance in Healthy Subjects- a Pilot Study

**Tully, L., Streeter, G., Eickhoff, J.**

**Purpose:** The LifeWave Energy Patch is a non-transdermal patch system that utilizes innovative technology to stimulate acupuncture points. The LifeWave Energy Patch contains natural nontoxic crystals that absorb body heat and generate infrared signals that cause the body to produce energy. An IRB approved pilot human clinical study examined the efficacy of the LifeWave Energy Patch to increase flexibility, strength and endurance in ten healthy subjects.

**Materials and Methods:** Comparisons were made between baseline measurements and measurements taken after subjects wore the patches on pericardium 6 (P6) for one hour. Tests conducted included: stretch and reach, hand strength (measured with a hydraulic dynamometer), bicep curl and latissimus dorsi (lat) pull down one repetition maximum weight, bicep curl repetition to failure and various outcome measures with an ergometer bicycle on a three mile road course (peak and average power, average and peak speed, calories and distance). An additional test with five subjects was conducted on an ergometer stationary bicycle for five minutes at top speed.

Results: Results show a significant improvement in athletic performance, as measured by absolute change from baseline for all outcome measures. Changes produced by the LifeWave Energy Patches for each test are as follows: bicep curl maximum weight-1.5 lbs. (p=0.0056), bicep curl maximum repetitions-4 (p=0.0059), lat pull down-2.5 lbs. (p=0.0039), left hand strength-17.36 kg (p=0.0064), right hand strength-6.27 kg (p=0.0059), stretch and reach-1.1 inches (p=0.0004), peak watts/lb-41 (p=0.004), average watts/lb-23.88 (p=0.001), time to finish-2.4 minutes (p=0.001). In the additional test with five subjects riding an ergometer stationary bike for five minutes at top performance, the following scores were observed: average speed-1.31 mph (p=0.009), peak speed-1.67 mph (p=0.049) average power-20.26 watts (p=0.029), peak power-51.18 (p=0.029), distance-.012 miles (p=0.011), calories-6.2 (p=0.069).

Conclusions: These results demonstrate that the LifeWave Energy Patches significantly increases strength, flexibility and endurance in healthy subjects. The tests utilized in this study are objective measures that are used in standard athletic testing. Considering the small sample size and the fact that the patches were only worn for one hour, it is likely that wearing the LifeWave Energy Patches could produce greater effects. A larger double blind crossover placebo study with 60 subjects is underway.

Bio: Lisa Tully received her PhD in Pharmacology and Toxicology and completed a postdoctoral fellowship at the Indiana University School of Medicine. Dr. Tully is founder of the Energy Medicine Research Institute (EMRI), whose primary mission is to assess the efficacy of vibrational medicine technologies. The EMRI specializes in assisting companies in the integrative health and natural product arenas to obtain clinical trials to support marketing claims.

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Abstract # 20

A Systematic Review of Biophoton Emission

**Bat, N., Ives, J., Walter, A., Jonas, J., van Wijk, R.**

Objective: The objective of this study was to conduct a systematic review on the effectiveness of biophoton emission as a non-invasive assessment of health.

Background: Biophoton emission, also known as spontaneous ultraweak photon emission, is a phenomenon of light emitted in the range of ~200-800nm from living beings on the order of ~10<sup>2</sup> photons/cm<sup>2</sup> body surface. Evidence from the last two decades of research shows that biophoton emission can be used for non-invasive assessment of health and even be used as a therapeutic. To date, there has been no systematic review done on this topic and therefore, this systematic review was carried out in order to determine the quantity, quality and effectiveness of the available literature.

Methods: A systematic search was conducted across 9 relevant databases on the following keywords identified and decided upon by the team: biophoton (including all the variations), external bioenergy, spontaneous photon emission, ultraweak photon emission, ultraweak chemiluminescence, low level light emission, spontaneous chemiluminescence, and ultraweak photons. We searched the literature from inception (1982) to present (2010) and included all

study designs at initial search but excluded thought pieces, descriptive reviews, editorials, and all studies relating to physics only. Inclusion criteria were: 1) Humans only and 2) discussion concerning intrinsic light.

Results: We have completed the screening phase and will assess the quality of the included studies using Scottish Intercollegiate Guidelines Network: SIGN 50 methodology across the various study designs included. Of the total 983 articles found through the various searches, 109 were deemed to be relevant to the study and included in the analysis. The 109 will be split by their specific study design (RCT/CCT, Observational study, descriptive study) and assessed using SIGN 50 appropriately by two reviewers to determine the quantity, quality and effectiveness of the biophoton literature.

Conclusion: We lay out our methodology, search strategy conducted, and our screening inclusion criteria. We will share our results concerning the quantity, quality and effectiveness of the published biophoton research literature at this conference.

Bio: Namuun Bat is an intern in the Brain, Mind, and Healing Program at the Samuelli Institute. She received her B.A. in May 2010 from Ohio Wesleyan University, Delaware, OH, with a double major in Biology and Pre-Medicine with a minor in chemistry. While a student at university, Namuun worked as a research assistant on two projects, fish genetics and plant phototropism. She also apprenticed at a Reiki center and there designed her own clinical study, performing data collection and analysis. Her main interest and passion is in Energy Medicine, and it is her career goal to become both a basic science researcher and a practitioner in this field. On the side, she is also a photographer and loves music and languages.

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Abstract # 30

Dowsing Anchoring in Time

**Connor, C.**, Connor, M., Lees, D.

This study is being presented as part of this breakout to clarify various types of design issues when doing a study in the energies. The purpose of this study was to test 10 long term map dowsers and 10 matched controls to evaluate the process of dowsing and see if there was any evidence of precognition in the dowsing process.

Methods/Materials: 10 dowsers who had more than 20 years individual experience from a local dowsing club were recruited for this study and 10 matched sex and age controls were recruited from the local area general population. Participants were consented and then took the Marlow-Crowne, Tellegen Absorption, Global Mood Scale, and Daily Spiritual Experiences. Once the test instruments were completed the participants went through 10 trials dowsing to find the bucket filled with water. The water bucket was placed with nine other matching buckets under a tarp which had numbers on the top representing the placement of each bucket. One bucket always had water and it was moved each trial. Participants were asked to self-predict accuracy before and after each run and to mark the bucket placement on a score sheet. Experimenter effect

was evaluated with pre and post evaluation of experimenter and participant mood and contacts. Experimenter observed each trial but was positioned 15 feet from the buckets to reduce field interactions.

Results: Results are still being analyzed but early evaluation shows that a number of subjects show active precognition. Some dowzers have accurately dowzed not their bucket placement but the bucket placement of the next subject.

Conclusion: Will be presented at the time of the conference but early data analysis shows evidence that may point to active precognition on the part of map dowzers.

Bio: Caitlin Connor is junior and a dual major in Anthropology and Political Science at Mount Holyoke College in South Hadley, MA. Caitlin began her research training as a research assistant in the Laboratory for Consciousness and Health at the University of Arizona through a partnership with Sonoran Science Academy. Caitlin participated in the project from 2006-2008.

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## **Session 4 Device based studies**

***Moderator: Dr. Beverly Rubik***

Abstract # 29

Gas Discharge Visualization Testing of Lifewave Glutathione Patches: A possible increase in Focus

**Connor, M.,** Maret, K.

Purpose: To determine if the LIFEWAVE Glutathion homeopathic patch would change or improve the ability of a person to focus.

Methods: This was a double blind placebo controlled randomized pilot study of 10 active and 10 control healthy subjects aged 30 and above using the sealed FDA registered homeopathic Glutathione patch made by the Lifewave Corporation and placed at the CV6 acupuncture point.

Results: When subjects were tested using the Gas Discharge Visualization device the data showed gas emission changes as analyzed by the proprietary GDV software related to solar plexus (3rd chakra) region at a rate of  $p < .0069$  in the active group vs.  $p < .1$  in the control group. These changes are in keeping with known effects of glutathione on the liver and kidneys supporting known antioxidant effects. Further, using the GDV software analysis program, the active group showed clear changes in the oscillation patterns of gas emission over a period of one hour, these findings are consistent with the non-linear dynamical theory of homeopathic remedies presented by Bell et al (2004, 2006, 2009). Control group in contrast shows norming consistent with previous GDV studies of healthy individuals. GDV data was taken at baseline, at patch application, at 30 minutes and at one hour after application. Marlowe-Crowne Social Desirability scale was administered to determine if social responses showed a tendency to support a placebo effect and all subjects answered in the average range. Tellegen Absorption



scale was administered to determine if subjects were producing a high level of absorption showing a possibility of self-hypnosis and again all subjects were in moderate to low-moderate range. Global Mode Scale and Hassles and Uplift scales were administered to determine if there were any significant changes of mood with patch application and again all findings were within normal limits. No significant changes in mood presented in active or control groups. Subject self-assessment using the Visual Analogue for Focus showed no significant differences.

Conclusion: The  $p < .0069$  findings of impact on solar plexus region and specifically on the liver, kidney, and nervous system suggest that there may be a physiological effect of the Lifewave glutathione homeopathic patch consistent with recognized clinical effects of glutathione when placed at the CV6 acupuncture point. The observed oscillatory effects seen in the changes in gas emission in both the control and active groups which are distinctive support the non-linear dynamical theory of homeopathic remedy function proposed by Bell et al. A larger trial should be done to determine if significance is consistent in a larger sample size. Additional studies could be done to determine the level of antioxidant effects of the patches.

Bio: Melinda has been a healer in professional practice since 1987. A born clairvoyant, her initial training in the energies came from within her family. Ordained as a Buddhist Priest, Dr. Connor has trained as a clinical psychologist, neuropsychologist, drama therapist, massage therapist and in over twenty different styles of energy healing. Dr. Connor received her training as a research scientist at the University of Arizona under Dr. Andrew Weil and Dr. Iris Bell. Currently a member of the teaching staff for the Integrative Energy Healing certificate program at Langara College in Vancouver, Canada, and Everest College – Online, Phoenix, AZ, Dr. Connor is the CEO of the National Foundation for Energy Healing and has a private healing practice in Arizona. She is the author of two books “See Auras!” and “Professional Practice for the Energy Healing Practitioner.”

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#### Abstract # 2

Body's Energetic Changes in Non-Touch Energy Healing: A Study of Synchronous Changes in Qi-energy levels between the Healer and Subject during Prayer/Hypnosis Healing  
**Tsuchiya, K.,** Harada, T.

Purpose: The purpose of this study was to investigate if the Qi-energy levels in the meridians of the healer and subject were correlated by simultaneously monitoring the energy marker of the healer's foot meridians and subject's hand meridians. The parameter BP of the AMI device was used as the energy maker.

Methods: Continuous AMI measurement was performed simultaneously at 14 Jing-Well points of the healer's left and right toes and 14 Jing-Well points of the subject's left and right fingers for approximately 60 minutes in each test session comprising Control 1, Healing and Control 2. Four sessions were conducted with the same healer and subject under the same protocol. Time series data acquired were analyzed for the presence of the synchronous (i.e., correlation with no lag) changes by introducing the novel idea of Weighted Correlation Index Analysis.

Results: The weighted correlation index analysis was performed for all possible pairs of the healer's foot meridians and the subject's hand meridians for each of the four test sessions. In Session 3 statistically significant occurrences ( $p=0.02\sim 2\times 10^{-7}$ ) of positively correlated changes were found in all the four pairs of healer's left/ right foot meridians and subject's left/right hand meridians. In Session 1 statistically significant occurrences ( $p<0.005$ ) of negatively correlated changes were also found in the healer's left foot and subject's left hand meridian pairs. It was found that synchronous changes, positive or negative in correlation, occurred 10 to 20 times sporadically for 10 to 60 seconds, more frequently during the Healing period and less frequently in subsequent Control 2.

Conclusion: By using the AMI's parameter BP as the energy marker and simultaneously monitoring the changes in Qi-energy levels of the healer's foot meridians and subject's hand meridians, it was found that, under certain conditions, Qi-energy levels of the healer and the subject changed synchronously with predominantly positive correlation during the period of the Healing and subsequent Control 2. It was also found that, for certain particular combinations of healer's and subject's meridians, negatively correlated synchronous changes took place concurrently with the positively correlated changes in other healer/subject meridian combinations. The existence of the correlated Qi-energy changes might be interpreted as the evidence of resonance phenomenon between the healer and subject related to the efficacy of the healing session.

Bio: Koji Tsuchiya, Ph.D., is a senior researcher and a project director of California Institute for Human Science (CIHS), in Encinitas CA. He also teaches the AMI device courses to graduate students at the CIHS. The current approach of experimental studies at the Subtle Energy Laboratory of CIHS is to investigate the changes in the subtle energy conditions of individual subjects through a variety of Energy Healing trials. His paper describing the case study of "Pranic Healing", which is a modality of the Non-Touch Energy Healing, was published in Vol. 20, #2 of ISSSEEM journal (2010). Another case study paper of his on "Reconnective Healing" submitted to ISSSEEM in September, 2010 is under peer review as of January, 2011.

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Abstract # 16

Emotional Stress, Heart Rate Variability, Grounding and Improved Autonomic Tone: Clinical Applications

**Chevalier, G.**

Purpose: Over the last few years, the utilization of integrative biophysics for medical application has been increasing in popularity. Grounding or earthing (physically put the body in contact with the surface of the earth) is the oldest and most basic form of natural bioelectric potential

that supports physiological and electrophysiological changes in the body. Since previous investigations have shown that grounding profoundly affects skin conductance within seconds, we hypothesized that grounding may also improve HRV.

**Materials & Method:** In this study 28 participants (14 healthy male and 14 healthy females) were grounded using adhesive electrode patches placed on the sole of each foot and on each palm. All 4 patches were connected by a wire to a rod inserted in the ground.

**Results:** Grounded subjects had improvements in HRV that goes beyond basic simple relaxation ( $p < .01$ ).

**Conclusion:** Since improved HRV has such a positive impact on cardiovascular status, it is suggested that simple grounding techniques be utilized as a basic integrative strategy in supporting the cardiovascular system especially under situations of heightened autonomic tone.

**Bio:** Dr. Geatan Chevalier has a Ph.D. in Engineering Physics from the University of Montreal, Canada. He is visiting researcher at the Developmental and Cell Biology Department, University of California at Irvine and a scientific consultant for Earth FX, Inc

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Abstract # 8

**Characterization of Electronic Displays: Combining QEEG with Vibrational Analysis Methods**  
**Palmateer, L., Rutter, P., Smith, C.**

Flat Panel Display describes the general electronic display technologies that displaced the CRT (Cathode Ray Tube) television. Flat Panel Displays utilize many technologies for image production, the most common is the Liquid Crystal Display. The display industry standards for characterizing the visual performance of the display are mature standardized techniques involving colorimetry and visual human perception that focus on the ability of a display to render an image with the desired properties such as legibility, brightness, color and resolution. The techniques available to characterize how the different display types impact human brain activity has not been pursued in the suite of standard display metrology techniques. This presentation reviews the current methods of electronic display characterization and proposes practical ways of using brainwave monitoring to establish an additional method of measurement that focuses more closely on human design centered approaches as an addition to the standard display metrology techniques. Corresponding display properties of interest such as flicker rates, types of displays (reflective versus emissive displays, electronic versus printed paper) can be recorded to discern differences in brainwave patterns and compared to QEEG (Quantitative Encephalography) statistical databases to interpret the data; this information can then be made available to display design engineers. In the presentation initial data will be reviewed and the existing status of this field of research from the perspective of display engineering will be discussed.

This approach of interpreting and measuring brainwave patterns as in QEEG offers a bridge to more subtle energy measurement techniques such as Vibrational Radiesthesia as means to

qualify electronic display performance and to further the standardization of Vibrational Radiesthesia measurement statistics and standards. It is potentially a protocol or method to insure that the characterization systems, which include the person doing the measurements in Vibrational Radiesthesia work, are tuned to a practical device under test by using the knowledge of brain wave monitoring and known display operation. The results should also provide additional information about the display qualities that are not available by either QEEG or standard display metrology in terms of the vibrational spectrum. In general, a protocol to relate the QEEG patterns, display performance and Vibrational Radiesthesia measurement methods should provide valuable information on the tuning system characteristics of the person making the measurement as being part of the characterization system, as well as information to the display design engineer.

Bio: Lauren Palmateer, PhD, is in the field of Electronic Displays and aiming to bridge that work with Vibrational Radiesthesia. She received her PhD in Electrical Engineering from Cornell University in 1989. She has worked in the field of LCDs since the early 1990's inventing and manufacturing electronic displays at IBM, Startup companies and at Qualcomm. Working in Intellectual Property Strategies and technical work in Displays, she is on the board of the Society for Information Display and holder of patents in displays. Lauren lives in San Francisco and is working on collaborations with display and electronic companies to utilize novel measurement techniques. Her interests are to apply subtle energy techniques of measurement to the industrial world of display technologies and electronics.

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## ***Posters***

Abstract # 22

Planet Earth Seen as a Lifeboat

**McCurdy, G.**

The purpose of this paper is to describe Planet Earth in MESTIC science terms as a 'lifeboat CRORACELL' that shields, creates, nurtures and sustains conscious life and the materials that compose it.

First the emergences since the Big Bang will be sketched: cosmological, geological, biological and noological to complete Teilhard's picture of the emergence of consciousness from the plenum, which is itself the zeroth emergence.

The CRORACELL concept applies broadly to matter at scales from nuclei through the universe. Its closed topology interacts with the quantum plenum with coherent energetic wave patterns both in the interior and to exterior surroundings. Examples will be examined of: a) human-made cavity resonators, b) organizing natural resonators of inanimate nature, c) experimental and experiential evidence that shows the effects of human consciousness to energetically condition spaces (per Tiller and Reiki) to produce intentionally guided physical action, and, d) in the

cybernetic bioconstruction of the human embryo. This last process explicitly requires elements of the emerging science of torsion (in addition to electromagnetism) and its approach to organizing effects (negentropy) and agile time to effect embryonic bioconstruction.

Turning to Earth, the literature describes the gaseous and plasmic entities above Earth surface as 'spheres' named by specialized investigators, e.g. troposphere, stratosphere, mesosphere, ionosphere, magnetosphere, etc. These entities will be functionally analyzed in terms of interrelated shielding elements and sustaining elements in the context of Earth's magnetic field. Teilhard's biosphere and noosphere will be touched upon only lightly as the locus of animal and human consciousness.

The emphasis of the presentation will be on implications of Charles Hunt's Frontier Perspectives paper that explains the solid aspect of Earth as three concentric geospheres: an oxidic shell, an hydridic fluid mantle upon which the lithosphere floats, and a unimetal core under pressures so great as to deform the accepted nucleus-electron structure of the elements of the periodic table. Hunt's paper explains many things well, notably vulcanism and how Earth got its copious amount of water, but it does not address the physics of the hypercompacted unimetal over time.

The argument herein is that conditions exist in the unimetal that, over geologic time, confine nuclei and electrons so closely that fusion reactions happen at low rate. It is then possible that these are largely responsible for the occurrence of the natural elements in the periodic table. Thus the unimetal can be seen as the domain of creative torsional negentropy. Further the CRORACELL concept offers a generalized way to view spatial sources of negentropic torsion in a MESTIC science context.

Bio: Garvin McCurdy, M.S. Business, George Washington U.; B.S. Aero Engineering, M.I.T., lives in Maine with his wife of 58 years, "A.M." Active in ISSSEEM since '97, he brings an engineering and operational analysis outlook to the study of subtle energies in a theory of life and consciousness called 'the Transductive Chain Approach', balanced practically by 12 years in-hospital Reiki service, including presenting CME sessions on subtle energies to the staff. He earlier made a varied career in the U.S. Air Force, most pertinently in the fields of communication and sensor systems, and assessment of emerging technologies. He has since been an engineering consultant, small business owner-operator, and published author of poetry, papers and an article for ISSSEEM, and 'A Warrior's Peace Prayer Handbook'.

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Abstract # 27

Case study of the effects of Distance Integrative Energy Healing (IEH) on an injured canine.

**Harlow, M.,** Bradner, D., Hilton, D., Federer, K., Lusson, C., Kobiljski, M., Lamb, R., Merayo, G., Connor, M.

History of Trauma:

A dog, Molly, ran a prowler off her property and during the chase was kicked in her leg which broke her cruciate ligament on her left hind leg. At the time of the injury the Veterinarian recommended cortical steroids and surgery as standard protocols for this type of injury. There was no repair or recovery of the ligament for one year and three weeks prior to the distant energy healing sessions.

**Purpose:**

To investigate the effects of distant Integrative Energy Healing on the repair of the cruciate ligament in the dog's left hind leg.

**Materials:**

A group of six Integrative Energy Healing students under the guidance of faculty performed a series of distant energy healings for four weeks. Each session was fifteen minutes in duration, taking place on Wednesday and Sunday. The healings were directed to Molly, a six year old black lab mix.

**Methods:**

Each healer worked independently using Distance Integrative Energy Healing and journal results of each healer were shared after all healing sessions were completed.

**Procedures:**

The healer practitioner's protocols varied slightly, including: grounding, charging the energy field, chakra connection, clearing static charge, re-gridding the field, and other general healing protocols. After connection to Molly was established, each healer followed their intuition to determine the protocol to use for the duration of each session. A pre-treatment veterinary evaluation was performed by Dr. Wangart and a post- veterinary evaluation was performed by Dr. Gordon Merayo, both from the Marana Veterinarian Clinic, Marana, AZ.

**Results:**

X- Rays and staining show that the cruciate ligament repaired without further need for intervention. The dog's owner reported that Molly lay down on her back with all four paws in the air while receiving the treatment and stayed in this position until each healing session was complete. It was noted that prior to the treatments Molly had difficulty walking, and following the study she was able to walk, run and jump.

**Conclusion:**

The data supports the movement towards a pilot study of distant IEH healing for the resolution of trauma and cruciate ligament repair in veterinarian animals.

**Bio:** Students involved in this case study are part of a three year certificate program in Integrative Energy Healing through Holistic Health Studies at Langara College, Vancouver, BC. Canada. This program is certified by the Canadian Ministry of Education.

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Abstract # 28

Case study of the effects of distance Integrative Energy Healing (IEH) on an injured horse.

**Federer, K.,** Merayo, G., Oroczo, J., Lamb, R., Connor, M.

Description of history of trauma: Mr. Regal, a bay thoroughbred 7 year old gelding who has sustained an injury to the left hind leg tendon at the point of the hock. Several inches of scar tissue restricted movement of the leg. The scar tissue was unchanged in the nine months prior to distance IEH. It is unknown what type of injury care was received at time of injury as this horse was rescued from starvation after the injury was healed and the scar tissue was already firm.

Purpose: to discover whether distance Integrative Energy Healing would produce a reduction in the scar tissue in the tendon at the point of the hock.

Materials: Integrative Energy Healing Practitioner did 15 minute Energy Healing sessions twice a week for four weeks. Journal entries of the results were made after each session. A pre and post-treatment veterinary evaluation was performed by Dr. Gordon Merayo, from the Marana Veterinarian Clinic, Marana, AZ. Farrier services and evaluation were provided by Oroczo Shoeing.

Method and Procedure: once grounding, charging and connecting to the horse's field were accomplished, Practitioner followed her intuition and instincts for the duration of each session. Practitioner smoothed structured layers of the field and cleared areas of static overcharge.

Results: Scar tissue decreased 1.34" at the deepest. Freedom of gait and movement was re-established.

Conclusion: These results support movement toward a pilot study in the reduction of scar tissue in equine trauma.

Bio: Students involved in this case study are part of a three year certificate program in Integrative Energy Healing through Holistic Health Studies at Langara College, Vancouver, BC. Canada. This program is certified by the Canadian Ministry of Education.

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Abstract # 32

TQER –Temporal Quantum Energetic Restructuring: A New Paradigm in Trauma Healing

**Cohen, Y.**

Purpose: To discover if TQER (temporal quantum energy restructuring) can repair entire segments of memories related to an emotional or physical trauma.

Materials/Methods: The protocol is carried out using these four steps: 1) A healer or a trained client navigating the time space continuum into both past and future to access the pre and post trauma states of wellness. 2) A unique temporal vibrational energetic bridge is created between these two states of wellness to quantum shift into a new reality of wellness. That allows the trauma segment to be bypassed entirely without extensive psychological discourse or analysis. 3) To avoid transiency, the energy/information lost to the trauma segment is recovered and reintegrated into the newly created vibrational link using Energy Restructuring Methodology. 4) The new link is re-aligned vertically with the client's biofield within the present time continuum.

Client was 58 year old Caucasian woman, following a head on auto-collision. She was supported with 30 min distant TER session. The session took place 5 days following the accident and debilitating symptoms described in the presentation had persisted for the 5 days despite other treatments. During that time, the client had 2 acupuncture, 1 massage therapy, 1 laser treatment and 1 chiropractor appointment, without a significant change in her condition.

Results: TQER created energy shifts into states of psychological and physiological coherence, leading to symptom resolution in cases of physical and emotional trauma. This conclusion is validated through permanent physical improvements for the client.

Before the session: Left arm carried in a bent position.

Immediately after the session: left arm could be lifted over the head; 80% Increase in the range of motion.

Before the session: Locked sternum, could barely breath: could not move side to side or straighten all the way up.

Immediately after the session: Could bend and touch toes. Went from zero/locked to 70% range of motion.

Before the session: Left hand and wrist swollen like a balloon, finger did not fold.

Following morning: 85% reduction in swelling, fingers able to move.

Conclusion: These results change the long held notion that trauma needs to be remembered and experienced in minute detail in order to be accessed and resolved.

Bio: Yuliya Cohen, is a trained energy healer, medical intuitive and ERT therapist and researcher. Formerly an engineer and computer science researcher, for the last 25 years, she has applied the scientific method to her subtle energy field research

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