



EEGS Foundation News

March 2017 by R. Bell (rbell@igsdenver.com)

**Guiding Technologies Today.
Preparing for a World of Needs Tomorrow.**

- **SAGEEP 2017 – Best Ever!!**
- **SAGEEP Silent Auction and Student Event**
- **Richard J. Wold Memorial Scholarship**
- **On-line Silent Auction to Benefit EEGS Foundation**
- **Musician’s Workshop & Music Industry Tour for SAGEEP 2018**
- **Geophysical Instruments for Humanitarian Projects**

SAGEEP 2017 was the best Environmental and Engineering Geophysical Society (EEGS) Annual Meeting event in the 30 years since the SAGEEP came into being. Arguably, the success of the conference was the direct result of several positive changes to the SAGEEP, not the least of which was the co-location of the **NGWA Hydrogeophysics and Deep Groundwater Conference**. The two (2) day, one-track conference was seamlessly integrated into the traditional SAGEEP format of three (3) days of oral and poster presentations about the developments and “real world” applications of environmental and engineering geophysical technology.



Standing Room Only during the NGWA Hydrogeophysics and Deep Groundwater Technical Presentation

In addition, the conference program included timely and thought provoking talks by notable industry leaders at Keynote Presentation as well as the luncheons. There was a brilliant new layout for the exhibition hall allowing for the obvious increase in number of exhibitors along with a dynamic out door demonstration of geophysical equipment and methodologies. Complementing the traditional program were short courses on geophysical methods and creating hydrogeological models from geophysical data. In addition to the strong technical

program and educational content, there were two well-attended networking events cleverly presented as receptions along with a unique Student Event.

A “**Bravo!!! and Heartfelt Shout Out**” to Dale Werkema and Elliot Grunewald as well the SAGEEP 2017 Steering Committee (Bruce Smith, Rick Hoover, Lia Martinez, Burke Minsley, Alastair McClymont, Oliver Kuras, Carole Johnson, Jim LoCoco, Beth Burton, Jeannie Norton, John Jansen, and Bill Doll) and EEGS Staff (Jackie Jacoby & Jacey File) for injecting new life into the venerable SAGEEP. The SAGEEP 2018 Steering Committee will have to work very hard if they wish to achieve, much less improve on, the success of SAGEEP 2017.

The EEGS Foundation supported two events at SAGEEP 2017: The Silent Auction and the Student Event.

The Silent Auction

For readers who are new the EEGS Foundation, The Silent Auction is a fundraiser to support of the EEGS Foundation programs. The SAGEEP 2017 Silent Auction raised \$200 for the Foundation. Even though the proceeds from the auction were a bit less than hoped for, the EEGS Foundation Board of Directors are sincerely grateful to everyone donating items to the Silent Auction as well as everyone who participated in the auction. Your support is essential in order to continue the mission The EEGS Foundation. Thank you.

The inspirational mood permeating the air throughout the SAGEEP 2017 was so uplifting to some members of the EEGS Foundation Board of Directors that planning for the SAGEEP 2018 Silent Auction commenced immediately. If you wish to learn how to contribute items to the Silent Auction or if you wish to know more about becoming involved with the auction, please contact Doug Laymon (doug@collierconsulting.com).

A special note for US taxpayers: The EEGS Foundation is a non-profit organization as defined by the Internal Revenue Service. Thus, the fair market value of your donations is deductible from your federal income tax in the tax year that you donate the item or cash. Although the 2016 tax season is becoming a faded memory, it is never too early to begin implementing your tax strategy for 2017. Start today by donating an item to The Silent Auction for SAGEEP 2018.

The Student Event

It is almost a tradition for the EEGS Foundation to sponsor the Student Event at the SAGEEP. Keeping with “tradition”, it did so for SAGEEP 2017. Carole D. Johnson constructed a non-traditional program that included

- a presentation by Joshua Noel*, a Program Coordinator in the Aviation and Aerospace Science school at Metropolitan State University,
- an Industry – Academic – Research Panel Discussion about establishing and furthering a career in geophysics, and

- a drone demonstration and fly about.

In addition, at the end of the formal program, Laura Sherrod, the incoming EEGS President, spoke to the gathering of approximately 75 that consisted of students, professors, leading industry geophysicists and business professionals, as well as a multitude of government researchers.

The Unmanned Aerial Systems (UAS) Club at MSU set up a drone cage and furnished several radio controlled quadcopters. Folks were encouraged to try their hand at piloting a drone. Those that accepted the challenge quickly learned that avoiding crashes is a skill requiring practice and patience. Networking ensued which no doubt led to numerous stimulating discussions about drones applied to the acquisition of geophysical and geoscience data. All of this high-flying activity fueled by the availability of free pizza and beer resulting in the perfect combination of innovative technology and social interaction tinted by the distinctive



Top Left: Joshua Noel speaking about the offerings at Aviation and Aerospace Department of Metropolitan State University.

Top Right: Students learning how to operate the drone.

Bottom Left: Beth Burton, EEGS Immediate Past President, flying the drone.

Bottom Right: Networking while watching Beth and others fly the drone.

desire to apply geophysical methods to map and explore the subsurface.

The EEGS Foundation provides financial support for the Student Event at SAGEEP in order for EEGS to fulfill its mission by encouraging interaction between those beginning their careers in E&E geophysics and those with years of experience applying geophysics to engineering and environmental problems while enduring the vagaries of uncertain economies. Clearly, transforming the application of technology into a sustainable business model and engaging profession requires investment in the youth destined to become the respected practitioners and industry leaders. The Student Event is one way that the EEGS Foundation is *preparing for a world of needs tomorrow.*

Joshua Noel - Program Coordinator
Aviation and Aerospace Science
Metropolitan State University
Denver, CO

email: jnoel@msudenver.edu
website: msudenver.edu/aviation

Richard J. Wold Memorial Scholarship

It comes as no surprise to anyone involved in the application of geophysical methods to real world environmental and engineering problems that drones offer significant advantages when investigating the surface and subsurface of the earth. As a direct result, the demand for lightweight and low power sensors or/and new approaches to making geophysical measurements is growing. There is an obvious need for funding to support academic research and development in this arena. Thus, I am working through the EEGS Foundation to establish a scholarship in the name of Richard J. Wold to support Masters and PhD students in geophysics or engineering who are working on the development of new sensors or innovative methods for making geophysical measurements.

A former President of EEGS, Dick Wold passed away in 2015. Dick began his geophysical career in the 1950's and obtained a PhD for the development of the first digitally recording airborne magnetometer. Throughout his long and varied career, Dick always maintained a keen interest in better ways to make geophysical measurements. He was instrumental in helping many geophysicists and engineers in their respective efforts to develop and commercialize innovative geophysical technologies. He often did so by connecting the researcher to sources of funding. It is all together fitting to create a scholarship in Dick's memory.

My goal is to present one or more \$5000.00 scholarships on an annual basis to qualified MS or PhD candidate in geophysics or engineering or related field of study. I plan to award the first scholarship in the Spring of 2018 at SAGEEP 2018.

A candidate selection committee comprised of qualified scientists and industry donors will evaluate applicants and recommend award recipients. Donors contributing a donation of \$25,000 or more will have the privilege to participate in the candidate review and selection

process. I am seeking one or more individuals willing to assist with the development and guidance of the scholarship fund.

If you wish to support this initiative, simply designate your donation to the EEGS Foundation be applied to the Richard J. Wold Memorial Scholarship Fund. If you wish to learn more about this initiative, please call me at 303-462-1466 or email me at rbell@igsdenver.com.

On-line Silent Auction to Benefit EEGS Foundation

We are exploring the concept of an On-Line Auction as a fundraiser. The proceeds from the auctioned off item would go to the EEGS Foundation to support a specific program such as the Student Event or placed in a general fund to support programs initiated and administered by EEGS. The core of the idea is to auction off geophysical or geoscience relevant items on a quasi-regular basis, perhaps through the EEGS Foundation website (<http://www.eegsfoundation.org/>). The auction may be a standalone event or held in conjunction with the traditional Silent Auction conducted during the SAGEEP.

We are seeking your comments and suggestions.

- *Do you see merit in the idea?*
- *Would you participate through an item donation or as a bidder?*
- *Do you have suggestions on how to implement it?*
- *Are there other fund raising ideas for the foundation to consider?*

Please email any comments or suggestions:

Doug Laymon (doug@collierconsulting.com) or
Ron Bell (rbell@igsdenver.com).

Guitar Workshop and More at SAGEEP 2018

In 2018, the SAGEEP will be located the self-proclaimed **Music City, Nashville Tennessee**. <http://www.visitmusiccity.com>. Thus, we see a unique opportunity to take advantage of the special nature of the locale to offer a different kind of experience to those attending the conference.

During the SAGEEP 2017, I learned that Steve Cosway, Mark Dunscomb, and Chuck Young were guitar players. This led to a discussion of a possible jam session while in Nashville which subsequently led to genesis of a concept for a Guitarist's & Musician's Workshop and Jam Session to be taught by a professional musician \ teacher \ entertainer on the Saturday or Sunday prior to official kickoff of SAGEEP, the Icebreaker Reception. Perhaps, the objective might be for the workshop participants to perform during the Icebreaker Reception.

Another concept under development is a Nashville Music Industry Tour of a guitar manufacturing facility, a recording studio, and a store that sells vintage guitars topped off with a concert performance at musical venue such as the Ryman Auditorium or the Cumberland

Caverns. The EEGS Foundation would receive portion of the fees charged for the workshop and the tour.

A committee is currently forming to flesh out the event concepts and build the implementation plan. We wish to know your thoughts and suggestions about these events and, perhaps, other event ideas for the SAGEEP 2018 program.

Please email your comments and suggestions by May 1, 2017 to one or more of the following committee members.

Ron Bell	rbell@iqdenver.com
Doug Laymon	doug@collierconsulting.com
Steve Cosway	swc@sensoft.ca

We are striving to create something that is a uniquely musical and fun networking\social\learning event for SAGEEP 2018 providing tangible benefit to EEGS in support of its mission. If you wish to assist with creating these events, consider joining committee.

Geophysical Instruments for Humanitarian Projects

The EEGS Foundation Board of Directors met during the SAGEEP 2017 conference. Among the primary topics of discussion was the initiative to develop a repository of geophysical instrumentation designated to support humanitarian projects. The instrumentation and related gear for geoscientists to use on qualified projects at little or no cost. The details of the program are in the development stage. However, Dennis Mills reported that he recently engaged in a conversation with an organization well suited to provide the storage and maintenance for the equipment. Thus, we are pleased to report that this program concept is beginning to gain some traction.

The EEGS Foundation is seeking your input. Please let us know your thoughts, ideas, suggestions, or if wish to help us with the formation of the equipment repository by emailing Dennis Mills or Bill Doll.

Dennis Mills	dmills@expins.com
Bill Doll	William.Doll@tetrattech.com

Support the EEGS Foundation through a Cash Donation

If you are an EEGS member or even if you are not an EEGS member, please support the EEGS Foundation through a tax deductible (for US taxpayers) cash donation. A typical amount an individual is \$50. EEGS Corporate members typically provide an annual gift of \$2500.00. Of course, giving a larger amount is quite acceptable and very much appreciated. Please keep in mind that you are able to designate your donation to go towards the EEGS

Foundation Student Event Fund, the Richard J. Wold Memorial Scholarship Fund, or the EEGS Foundation General Fund.

If you wish to make a donation via check, please mail it to the following address:

EEGS Foundation
1720 South Bellaire, Suite 110
Denver, CO 80222-4303

If you wish to make a donation via a credit card, please call the EEGS business office at **303.531.7517**. For more information, visit <http://www.eegsfoundation.org/>.

A donation to the EEGS Foundation will help **Guide Technologies Today** as well as **Prepare for A World of Needs Tomorrow**. Thank you for your support.

EEGS Foundation Board of Directors (December, 2016)

Dennis Mills	Exploration Instruments	dmills@expins.com	President
Doug Laymon	Collier Consulting	doug@collierconsulting.com	Treasurer
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