

## Emerging Professionals Program (EPP)



### EPP Event Highlights

#### **Introduction to Depth Migration with Sam Gray – March 22, 2018**

In this course, participants gained a better understanding Depth Migration in general and the difference between Time and Depth migration. Sam Gray recently retired as Senior Researcher, Subsurface Imaging, CGG, and has been distinguished with the SEG's Maurice Ewing Medal "in recognition of his impressive work with major contributions in the areas of depth imaging, velocity estimation, and seismic modeling, his ability to convey complicated mathematical formulas behind seismic imaging, and inspiring newcomers to the geophysical industry to carry the torch to further advance imaging technology".

#### **Earth Day Community Clean Up – April 22, 2018**

Community cleanup is one way to exhibit how the geophysical community gives back and demonstrates that we are all environmentally conscious. The CSEG EPP committee and its members cleaned up Prince's Island Park. Following the clean-up, we met at Garage for some light networking and a presentation on acquisition footprint and how design and technologies have changed over the past 30 years to limit the impact on the environment, by David Robinson.

#### **Petrel Fundamentals – April 19, 2018**

Presented by Nawras Al-Khateb, this course introduced new users to Petrel functionality and covered the basic usage of the application. The topics covered included: Petrel basics and interface, retrieve and prepare your data, visualization and QC, seismic reconnaissance and geometrical modelling. Users also learned how to make surfaces, simple grids, and generate plots.

#### **Petrel Geophysics Workshop – June 20 & 21, 2018**

This two-day course, taught by Amir Shamsa, was designed to provide detailed hands

on training to users on a variety of topics. Listed below are the topics that were covered:

- Introduction to seismic display and project optimization for seismic related workflows
- Seismic surface/volume attribute
- Manipulating attributes/co-rendering/cross-plotting/blending techniques
- Neural network/ genetic inversion methods
- Data preparation and QC for velocity modeling
- Velocity modeling methods
- Velocity modeling QC
- Depth conversion

### **Junior Geophysicist Forum (JGF)\*\* – October 10, 2018**

The Junior Geophysics Forum in October was jointly organized by the CSEG – EPP and CSEG-F Mentorship Committee for the third year in a row. This year's event format flipped the script on its participants, who were transformed from event attendees to idea-sharers. Four topics of discussion were decided upon by the JGF planning committee – *New Data Tools, Canadian Energy Policy, The Future of Work, and Economic Value in Geophysics*. JGF participants were then split into smaller groups to discuss their topic of interest. The smaller group interaction overflowed with discussion points, challenges to be addressed, and unique solutions to many of the problems facing our industry today.

*\*\*The JGF falls under the CSEG – EPP. However, it does have its own committee, as it is a larger event.*

#### **Sponsors:**

- Explor: \$2000 • Absolute Imaging: \$1000 • Husky Energy Ltd: \$1000
- LXL Consulting: \$1000 • TGS: \$1000 • Earth Signal: \$500 • Katalyst Data Mgmt: \$500
- RPS Energy: \$500 • Synterra: \$500 • Seisware: \$200 • Modern Miracle Network: \$100
- Statcom: \$100

Additionally, no funds were contributed to this year's JGF. The JGF committee raised \$8400 in sponsorship with the total expenditures totaling \$5988.51 (\$2411.49 remaining). The excess funds are currently with the CSEG Foundation. The JGF also raised \$450 and collected 5 large boxes of food for the Calgary Food Bank.

### **Canadian Energy Eh? – November 28, 2018**

Alexandria Shrake gave an interactive talk on how geography, policy and energy interplay in Canada. The investment community, government, project proponents, and environmentalists have developed their own terminology to describe a path forward for our energy sector – but can we speak the same language for better discourse in the future? Alex reminds us that it doesn't hurt to have a friendly debate and ask the important questions that will help us understand.

### **Annual Young Professional Holiday Social – National Bowling – December 13, 2018**

This inter-society collaboration has been developed jointly between the associations to bring young professionals even more opportunities to expand their networks and share knowledge in the industry. This is an essential partnership to help bridge the gap between the disciplines and therefore continue to support your professional development.

### **Volunteering at the Calgary Drop-In Centre**

The CSEG EPP initiated many volunteering sessions at the Calgary Drop-In Centre. The goal of these events is to promote a supportive environment within the CSEG and within our community. Participants network, share experiences and advice, while gaining firsthand experience of the daily challenges facing the less fortunate and helping to improve their situations. We plan to continue these volunteering events on a bi-monthly basis into 2019 and beyond.

### **EPP Committee Members**

- **Chau Huynh** (EPP Chair)
- **Stephen Kotkas** (Advisor)
- **Wendell Paradise** (Advisor)
- **Alexandria Shrake** (Marketing/Events Coordinator)
- **Chris Bird** (Events Coordinator)
- **Karl Mome** (Events Coordinator)
- **Matt Lennon** (JGF Co-chair)
- **Alana Kent** (JGF Co-Chair)

- **Elizabeth Ramsey** (Events Coordinator/Chair/Past Chair)
- **Hassan Odhwani** (Chair/Past Chair)

2018 CSEG EPP – JGF committee members include:

- **Alana Kent** (Co-chair)
- **Matt Lennon** (Co-chair)
- **Alexandria Shrake** (VP Engagement/Sponsorship)
- **Nathan Fester** (VP Marketing)
- **Elizabeth Ramsey/Chau Huynh** (VP Logistics)
- **Stephen Kotkas** (Advisor)
- **Khevyn-Lynn Gormley** (Chair in-transition)

Other volunteer(s): **Ahtsham Safdar**, day-of volunteer (registration, logistics).

**Funds Existing before event** (last year's year-end)

\$1000 from CSEG for 2018 compared to \$250 in 2017

**Amount Raised in Sponsorship**

JGF raised \$8400 in 2018 compared to \$5600 in 2017 (the funds raised for the JGF have only been spent for the JGF event – profit from 2017 was donated to CSEG-F)

**Amount Raised in Registration – 0**

**Total Expenditures:** EPP Committee – \$459.63, JGF – \$5988.51

**Donations Raised from the Event**

\$2411.49 JGF profit with CSEG-F. Additional \$450 raised and 5 large boxes of food donated to the Calgary Food Bank

**Funds Remaining Post-Event – EPP - \$540.37 (from \$1000)**

**HASSAN ODHWANI / ELIZABETH RAMSEY / CHAU HUYNH**

2018 COMMITTEE LEADS