



The 6<sup>th</sup> CeGP Workshop  
March 20-21, 2017  
Centergy One building  
75 Fifth Street NW, Atlanta, GA 30308  
<http://cegp.ece.gatech.edu/events/workshop2017/>



## List of Posters

Monday, March 20, 2017  
3:15 PM – 4:15 PM  
Room#5234

## List of Posters

1. [Weakly Supervised Seismic Structure Labeling via Orthogonal Non-Negative Matrix Factorization](#)  
Yazeed Alaudah, Haibin Di, and Ghassan AlRegib
2. [Content-Adaptive Non-Parametric Texture Similarity Measure](#)  
Motaz Alfarraj, Yazeed Alaudah, and Ghassan AlRegib
3. [Multiscale Fusion for Improved Instantaneous Attribute Analysis](#)  
Motaz Alfarraj, Haibin Di, and Ghassan AlRegib
4. [Phase Congruency for Image Understanding with Applications in Computational Seismic Interpretation](#)  
Muhammad Amir Shafiq, Yazeed Alaudah, Ghassan AlRegib, and Mohamed Deriche
5. [Detection/Denoising of Microseisms Using Tensor Decomposition](#)  
Naveed Iqbal, Abdullatif A. Al-Shuhail, and SanLinn I. Kaka
6. [Tensor-Based Subspace Learning and its Application to Salt-Dome Tracking](#)  
Zhen Wang and Ghassan AlRegib
7. [Classification of Arrival-Time Picks for Microseismics Under Severe Background Noise](#)  
Lijun Zhu, Entao Liu, and James H. McClellan
8. [Automatic Microseismic Event Detection Using CFAR Processing in Time-Frequency Domain](#)  
Anupama Govinda Raj, Naveed Iqbal, James H McClellan, and Abdullatif Al-Shuhail
9. [Seismic Signal Compression for Randomly Layered Media](#)  
Hamood Khan and Salam A. Zummo
10. [Quantization for Seismic Signal Compression](#)  
Hamood Khan and Salam A. Zummo

11. [Smart Seismic Data Acquisition](#)

Suhail Al-Dharrab, Wessam Mesbah, Ali Muqaibel, Gordon Stuber, and Ghassan AlRegib

12. [Seismic Data Compression Using Online Double-Sparse Dictionary Learning Schemes](#)

Entao Liu, Ali Payani, and Faramarz Fekri

13. [Memory-Assisted Compression of Seismic Data at Large Alphabet Sizes](#)

Ali Payani, Afshin Abdi and Faramarz Fekri

14. [Near Optimal Representative Subset Selection from Short Sequences Generated by a Stationary Source](#)

Ali Payani, Afshin Abdi, and Faramarz Fekri

15. [Model Based Seismic Signal Compression](#)

Hilal H. Nuha, Bo Liu, Mohamed Mohandes, and Mohamed Deriche

16. [Learning Dictionary for Efficient Signal Compression](#)

Afshin Abdi, Ali Payani, and Faramarz Fekri

17. [Global Undergraduate Research Experience \(GRUE\)](#)

Ali Muqaibel, Samir Al-Ghadhban, and Ghassan AlRegib