

CAN OREN

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EDUCATION

Colorado School of Mines, Golden, CO, USA

PhD in Geophysics

Minor in Computational and Applied Mathematics

Aug 2018 - Present

Overall GPA: 4.00/4.00

Purdue University, West Lafayette, IN, USA

MS in Geophysics

Jan 2014 - Aug 2016

Overall GPA: 3.73/4.00

Ankara University, Ankara, Turkey

BS in Mathematics

Oct 2007 - June 2011

Overall GPA: 2.78/4.00

Ankara University, Ankara, Turkey

BS in Geophysical Engineering

Sept 2005 - Jan 2011

Overall GPA: 3.34/4.00

RELEVANT EXPERIENCE

Colorado School of Mines

Research Assistant at Center for Wave Phenomena (CWP)

Aug 2018 - Present

Advisor: Prof. Jeffrey Shragge

- Conducting research on elastic anisotropic image-domain tomography for microseismic monitoring and source estimation

Turkish Petroleum

Processing Geophysicist

Aug 2016 - Aug 2018

- Responsible for processing and imaging of 2D/3D land seismic data

The Scientific and Technological Research Council of Turkey

Scientific Programs Assistant Expert

Aug 2011 - Dec 2013

- Responsible for funding academic research projects in Earth Science

Turkish Ministry of Transport, Maritime Affairs & Communications July 2009 - Sept 2009

Intern

- Participated in the acquisition, processing, and interpretation of resistivity and seismic refraction data

TECHNICAL SKILLS

Computer Skills

CUDA, MPI, OpenMP, C, Fortran, Java, Python, MATLAB, Linux

Geophysical Software

Madagascar, Seismic Unix, Paradigm, Omega, SeisSpace

TECHNICAL PUBLICATIONS AND PRESENTATIONS

Oren, C. and Nowack, R.L., 2018, An overview of reproducible 3D seismic data processing and imaging using Madagascar: *Geophysics*, **83**, no. 2, 1-60, doi: 10.1190/geo2016-0603.1.

Oren, C. and Nowack, R.L., 2017, Seismic body-wave interferometry using noise autocorrelations for crustal structure: *Geophysical Journal International*, **208**, 321-332, doi: 10.1093/gji/ggw394.

Selek, B., **Oren, C.**, Baytok, S., Kaypak, B., Gursel, M., Unlu, T., Apatay, E., 2017, Investigation of hydrocarbon microtremors using low frequency passive seismic method in a gas field, Thrace Basin, Turkey: *9th Congress of the Balkan Geophysical Society*, Antalya, November 5-9, 2017.

Selek, B., Baytok, S., Kaypak, B., **Oren, C.**, 2017, Determination of gas reservoirs by passive seismic methods at Thrace Basin: *22th World Petroleum Congress*, Istanbul, July 9-13, 2017.

Oren, C. and Nowack, R.L., 2016, The effects of processing and ambient noise distribution on seismic interferometry using auto-correlation stacks: *American Geophysical Union Fall Meeting*, San Francisco, CA, December 12-16, 2016.

Oren, C. and Nowack, R.L., 2016, Passive seismic body-wave interferometry using noise auto-correlations for crustal and upper mantle structure: *Seismological Society of America Annual Meeting*, Reno, NV, April 20-22, 2016.

Oren, C. and Nowack, R.L., 2015, Investigations of passive seismic body-wave interferometry using noise auto-correlations for crustal and upper mantle structure: *American Geophysical Union Fall Meeting*, San Francisco, CA, December 14-18, 2015.

SCHOLARSHIPS AND CERTIFICATES

Cedric J. Newby Scholarship *Apr 2016*
Purdue University

Cedric J. Newby Scholarship *Apr 2015*
Purdue University

W.J. Hinze Award in Exploration Geophysics *Apr 2015*
Purdue University

Reservoir Geomechanics *Apr 2014 - June 2014*
Online course given by Prof. Mark Zoback at Stanford University

Master of Science Scholarship *Jan 2014 - Aug 2016*
Turkish Petroleum

EU Lifelong Learning Program (ERASMUS) *Sept 2008 - Feb 2009*
L'Università degli studi di Urbino Carlo Bo, Urbino, Italy

PROFESSIONAL MEMBERSHIPS

Society of Exploration Geophysicists (SEG)

American Geophysical Union (AGU)

Seismological Society of America (SSA)

LANGUAGES

Turkish Native proficiency

English Full professional proficiency

Italian Elementary proficiency