

Mert Sinan Recep Kiraz

**Authorized to work in the US under student visa F-1 Optional Practical Training (OPT)*

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EDUCATION	Colorado School of Mines , Golden, CO, USA <i>Doctor of Philosophy (PhD)</i> , Geophysics Implementation of the Marchenko method	<i>August 2019 - Present</i> <i>Advisor: Roel Snieder</i>
	Purdue University , West Lafayette, IN, USA <i>Master of Science (MS)</i> , Geophysics Time-lapse monitoring using the Marchenko technique	<i>January 2016 - May 2018</i> <i>Advisor: Robert Nowack</i>
	Istanbul University , Istanbul, TURKEY <i>Bachelor of Science (BS)</i> , Geophysical Engineering	<i>September 2009 - June 2013</i>
EXPERIENCE	Colorado School of Mines <i>Research Assistant at CWP</i> Implementation of the Marchenko method	<i>August 2019 - Present</i>
	Turkish Petroleum <i>Research & Processing Geophysicist</i> In-house data processing software development On-board data processing	<i>May 2018 - August 2019</i>
	Turkish Petroleum <i>Intern Geophysicist</i> Field work participation for a 3D land survey.	<i>August 2012 - September 2012</i>
TECHNICAL SKILLS	Computer Skills: Fortran, Python, MATLAB, Shell scripting, Linux, MS Office Geophysical Software: Omega, Petrel, Vista, Seismic Unix, Madagascar	
AWARDS	Halliburton-Landmark Earth Model Award 2018 One of the best 10 thesis among the worldwide applications.	<i>March 2019</i>
	Purdue University Cedric J. Newby Award Departmental award for outstanding students in geoscience.	<i>April 2016 and April 2017</i>
	Purdue University W.J. Hinze Award Departmental award for outstanding students in exploration geophysics.	<i>April 2016 and April 2017</i>
TALKS	[1] Kiraz, M. S. R. , and R. L. Nowack, 2018, Comparison of Marchenko Redatuming and Imaging with Conventional VSP Processing Applied to the Frio Carbon Sequestration Experiment, SEG Summer Research Workshop: Recent Advances and Applications in Borehole Geophysics, Society of Exploration Geophysicists.	
PEER-REVIEWED PUBLICATIONS	[1] Kiraz, M. S. R. , and R. L. Nowack, 2018, Marchenko Redatuming and Imaging with Applications to the Frio Carbon Sequestration Experiment, <i>Geophysical Journal of International</i> , 215 (3), 1633-1643 https://doi.org/10.1093/gji/ggy356 [2] Nowack, R. L., and M. S. R. Kiraz , 2018, Virtual Green's Functions Using Seismic Interferometry and Marchenko Redatuming, <i>Seismological Research Letters</i> , 89 , 613-619, https://doi.org/10.1785/0220170211 .	

**CONFERENCE
PROCEEDINGS**

- [1] **Kiraz, M. S. R.**, and R. L. Nowack, 2018, Application of Marchenko Redatuming and Imaging to Data from the Frio Carbon Sequestration Experiment, accepted for 2018 Fall meeting, AGU, Washington, D.C., 10-14 Dec.
- [2] Nowack, R.L. and **M. S. R. Kiraz**, 2018, An overview of Marchenko redatuming and imaging related to VSP Modeling, 2018 WTOPI Annual Meeting, University of California Santa Cruz, July 17-18.
- [3] Nowack, R.L. and **M. S. R. Kiraz**, 2018, Virtual Green's functions using Marchenko redatuming with applications to subsurface imaging and to carbon sequestration, International Workshop on Seismic-wave Scattering, Imaging and Inversion, University of California Santa Cruz, July 19-21.
- [4] Nowack, R. L., and **M. S. R. Kiraz**, 2017, Virtual vertical seismic profiling using seismic interferometry and Marchenko redatuming, presented at 2017 Fall meeting, AGU, New Orleans, Louisiana, 11-15 Dec.
- [5] **Kiraz, M. S. R.**, and R. L. Nowack, 2017, Testing of Marchenko redatuming and imaging for carbon sequestration monitoring, presented at 2017 Fall meeting, AGU, New Orleans, Louisiana, 11-15 Dec.

**VOLUNTEER
WORK**

Purdue University and Food Finders *August 2017 - December 2017*
Volunteer
Various positions as a volunteer in the events at Purdue. Also assisting people to arrange the pantries in Food Finders

**PROFESSIONAL
ACTIVITIES**

Memberships: Society of Exploration Geophysicists (SEG), The European Association of Geoscientists and Engineers (EAGE), American Geophysical Union (AGU), Society of Petroleum Engineers (SPE)
Languages: Turkish (Native), English (Advanced), French (Beginner)