



















## **Peer-reviewed Publications**

- Altuncu Poyraz, S., Teoman, M.U., Turkelli, N., Kahraman, M., Cambaz, D., Mutlu, A., Rost, S., Houseman, G.A., Thompson, D.A., Cornwell, D.G., Utkucu, M., Gulen, L., 2015. New constraints on micro-seismicity and stress state in the western part of the North Anatolian Fault Zone: Observations from a dense seismic array. *Tectonophysics in revision*.
- Frederiksen, A.W., Thompson, D.A., Rost, S., Cornwell, D.G., Gulen, L., Houseman, G.A., Kahraman, M., Poyraz, S.A., Teoman, U.M., Türkelli, N., Utkucu, M., 2015. Crustal thickness variations and isostatic disequilibrium across the North Anatolian Fault, western Turkey. *Geophys. Res. Lett.* 42, 2014GL062401. doi:10.1002/2014GL062401
- Kahraman, M., Cornwell, D.G., Thompson, D.A., Rost, S., Houseman, G.A., Turkelli, N., Teoman, M.U., Altuncu Poyraz, S., Utkucu, M., Gulen, L., 2015. Crustal-scale shear zones and heterogeneous rheology beneath the North Anatolian Fault Zone, Turkey, revealed by a high-density seismometer array. *Earth Planet. Sci. Lett.* in revision.

## **Presentations**

- Rost et al. (invited)**, The crustal structure along the 1999 Izmit/Düzce rupture of the North-Anatolian Fault, EGU General Assembly, EGU2015-9998, 2015.
- Wright et al. (invited)**, The Earthquake Loading Cycle and the Deep Structure of the North Anatolian Fault, AGU Fall Meeting, G13B-07, 2014.
- Teoman et al.** New Insights on Seismicity and the Velocity Structure beneath the Western Segment of the North Anatolian Fault Zone, AGU Fall Meeting, S21E-05, 2014
- Frederiksen et al.**, Crustal and Basin Thickness Via P-Coda Transfer Functions: Examples from the Southwestern Superior Province, USA and the North Anatolian Fault, Turkey, AGU Fall Meeting, S22B-02, 2014
- Cornwell et al.**, Abrupt variations in brittle-ductile transition depth and lower crustal properties beneath two branches of the north Anatolian fault zone, Turkey, AGU Fall Meeting, T22A-04, 2014
- Thompson et al.**, High resolution images of the mid- to lower-crust beneath the North Anatolian Fault obtained using the scattered seismic wavefield, AGU Fall Meeting, T13A-4626, 2014
- Teoman et al.**, Crustal Anisotropy Beneath the Western Segment of North Anatolian Fault Zone from Local Shear-Wave Splitting, AGU Fall Meeting, S21C-4461, 2014
- Cornwell et al.**, Detailed Northern Anatolian Fault Zone crustal structure from receiver functions, AGU Fall Meeting, T23E-2633, 2013.
- Thompson et al.**, Imaging the North Anatolian Fault using the scattered teleseismic wavefield, AGU Fall Meeting, T22D-07, 2013.
- Turkelli et al.**, Seismicity and Crustal Anisotropy Beneath the Western Segment of the North Anatolian Fault: Results from a Dense Seismic Array, AGU Fall Meeting, T22D-06, 2013
- Yamasaki et al.**, Weak ductile shear zone beneath the western North Anatolian Fault Zone: inferences from earthquake cycle model constrained by geodetic observations, AGU Fall Meeting, T23E-2634, 2013
- Wright et al.**, The Earthquake Loading Cycle and the Deep Structure of the North Anatolian Fault, EGU General Assembly, EGU2014-11223, 2014.