

# ASHLEY BELLAS

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## ADDRESS

Aerospace Engineering Sciences  
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## EMAIL & TELEPHONE

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EMPLOYMENT	08/2022-present	Postdoctoral Associate Department of Aerospace Engineering Sciences, University of Colorado Boulder
	08/2021-08/2022	Postdoctoral Fellow Earth, Atmospheric and Planetary Sciences, Massachusetts Institute of Technology
	05/2021-08/2021	Postdoctoral Associate Department of Physics, University of Colorado Boulder

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EDUCATION	08/2014-05/2021	University of Colorado Boulder, Department of Physics Ph.D. in Geophysics Thesis advisor: Shijie Zhong
	09/2009-05/2014	University of British Columbia B.Sc. in Geophysics (with distinction)

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**PUBLICATIONS** **Bellas, A.**, S.J. Zhong, & A.B. Watts (2022), Reconciling lithospheric rheology between laboratory experiments, field observations, and different tectonic settings, *Geophysical Journal International*, **228**, 857–875.

**Bellas, A.**, & S.J. Zhong (2021), Effects of a weak lower crust on the flexure of continental lithosphere, *J. Geophys. Res.: Solid Earth*, **126**, 10, e2021JB022678.

**Bellas, A.**, & S.J. Zhong (2021), Seismic strain rate and flexure at the Hawaiian Islands constrain the frictional coefficient, *Geochemistry, Geophysics, Geosystems*, **22**, e2020GC009547.

**Bellas, A.**, S.J. Zhong, & A.B. Watts (2020). Constraints on the rheology of the lithosphere from flexure of the Pacific Plate at the Hawaiian Islands. *Geochemistry, Geophysics, Geosystems*, **21**, e2019GC008819. <https://doi.org/10.1029/2019GC008819>.

**Bellas, A.**, S.J. Zhong, D. Bercovici, & E. Mulyukova (2018), Dynamic weakening with grain-damage and implications for slab detachment, *Phys. Earth Planet. Int.*, **285**, 76-90.

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## SKILLS

- Computational modeling
- Data analysis
- Python, Fortran, C
- Geodynamics
- Remote sensing data
- Satellite geodesy