



## CIDER 2018 Pre-AGU Workshop

Sunday, December 9, 2018

Location: Carnegie Institute of Washington – DTM, Broad Branch Road

### PROGRAM

Chair: TBD

1:00 - 1:05 pm: **Bruce Buffett/Daniel Frost** (University of California, Berkeley)  
Introduction and Logistics

1:05 - 1:35 pm: **Keynote: Rich Walker** (University of Maryland) - "On the topic of CIDER 2018 – Relating geochemical and geophysical heterogeneity in the Earth"

1:35 - 2:05 pm: **Keynote: Diana Roman** (Carnegie Institute of Washington - DTM) - "On the topic of CIDER 2019 – Volcano Science"

2:05 – 2:30 pm: Coffee break

Chair: TBD

2:30 – 5:00 pm: **Presentations from 2018 and 2017 summer programs**

2:30 – 2:45 pm: **Kiran Chotalia, James Muller, Joe Schools, Erik C Weidner, Jenna Adams, Magali I Billen, Louis N Moresi, Meghan S Miller, Lauren Waszek, Thorsten W Becker, Carolina R Lithgow-Bertelloni, Lars P Stixrude, and Dominique Weis:**  
"Can a subducted sedimentary layer survive into the deep mantle? Maybe, if it is strong or thin"

2:45 – 3:00 pm: **Elizabeth Colette Thompson, Eva Bredow, Neala Creasy, Karen E Godfrey, James Muller, Man Xu, Chengzu Wang, Maxim Ballmer, Shichun Huang, Gabriele Morra, and Sujoy Mukhopadhyay:**  
"Thermochemical Evolution of Mantle Plumes Observed Spatially (TEMPOS)"

3:00 – 3:15 pm: **Sarah Arveson, Alexander Burky, Kristel Izquierdo, Guanning Pang, Jia Shi, Rashni Anandawansa, Nicholas Mancinelli, Miki Nakajima, Jessica Irving, Chrystelee Sanloup, and Shichun Huang:**  
"Assessing the Structure of the Lunar Deep Interior: a Seismological and Selenophysical Perspective"

3:15 – 3:30 pm: **Robert Citron, Ma. Teresa Escobar, Antoniette Greta Grima, Xiaobao Lin, Diogo J L Lourenço, Fred Wilson, Scott A Wipperfurth, Jun Yan, Sanne Cottaar, Laurent Montesi, Sujoy Mukhopadhyay, Rita Parai, and Maxwell L Rudolph:**  
"Stable Heat-producing Element Enriched Provinces (SHEEP) in the lower mantle"

3:30 -3:45 pm: **Mingda Lv, Margaret S Avery, Xiaoran Chen, Bethany Chidester, Jie Deng, Benjamin J Farcy, Daniel A Frost, Zhi Li, Joshua F Martin, Bruce A Buffett, Susannah Dorfman, and Lijun Liu:**  
"Heat from Below"

3:45 – 4:00 pm: **Peter Nelson, Wanying Wang, Li-Wei Chen, Jack van Driel, David Willis, Neala Creasy, Lowell M Miyagi, and Thorsten W Becker:**  
"Constraining Lower Mantle Plume Anisotropy: A Multidisciplinary Approach"

Keynote talks: 25 minutes with 5 minutes questions

Group talks: 12 minutes with 3 minutes questions