Panelists Bios

**Amy Furniss** is an Associate Professor at Cal. State East Bay. Amy received her Physics PhD in 2013 from University of California in Santa Cruz. For the past 7 years she has been studying gamma-ray astrophysics, active galactic nuclei, blazar environment, evolution and emission, extragalactic background light, intergalactic magnetic fields, extragalactic cosmic ray and photon propagation, relativistic acceleration mechanisms and non-thermal emission processes. You can find more information about Amy on her [website](#).

**Kate Follette** is an Assistant Professor at Amherst College. Kate received her PhD in 2014 from the University of Arizona. Her research uses large ground-based telescopes equipped with adaptive optics to search stellar environs for young exoplanets and circumstellar disks. She is also actively engaged in STEM education research, where she study the role of mathematics across the curriculum, and is particularly interested in understanding how general education science courses can be used to improve students’ real world quantitative reasoning skills. You can find more information about Kate on her [personal website](#) and her [lab website](#).

**Jeff Oishi** is an Assistant Professor at Bates College. Jeff received his PhD in 2007 from the University of Virginia. His research group studies fluid dynamics at scales ranging from global models of planets and stars to the swimming and growth of bacteria with theoretical and computational tools. They are particularly interested in “complicated” fluid dynamics: problems involving turbulence, phase changes, traditional “complex” non-Newtonian fluids, or some combination of them all. The group is also focused on providing solid training in computational science, fluid dynamics, and applied mathematics to a diverse group of undergraduate researchers. You can find more information about Jeff’s group and their research on their [website](#).

**Kiel Howe** is an Assistant Professor at Minerva University. Kiel obtained his Ph.D. in theoretical physics from Stanford University in 2015. Prior to joining Minerva, he worked as a Research Associate at Fermi National Accelerator Laboratory writing mathematical poetry about subatomic particles. His current research interests involve connections between the mathematics of deep learning, statistical mechanics, and quantum information. You can find more information about Kiel on his [website](#).

**Eric Charles (moderator)** is a Staff Scientist at SLAC. He received his Ph.D. in 2002 at the University of Wisconsin – Madison. Although he has done very little teaching, he has been lucky enough to work with a number of outstanding students (graduate and undergraduate) and postdocs in his time at SLAC.