

PHILOSOPHY COLLOQUIA

THE DEPARTMENT OF PHILOSOPHY AT PURDUE PRESENTS

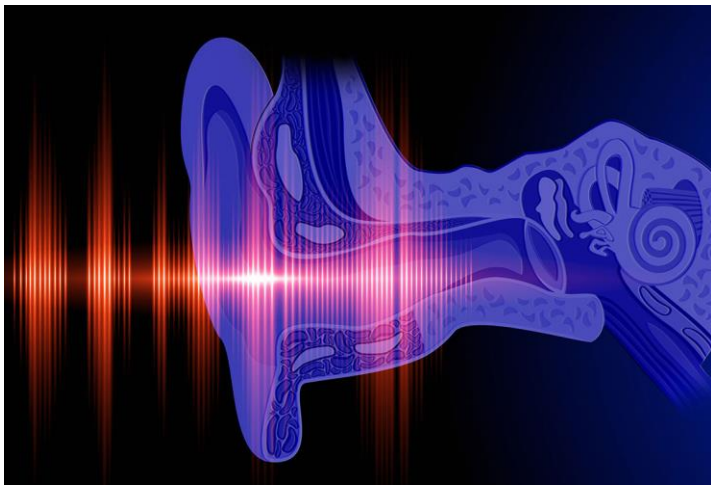
Dr. Keith R. Kluender

*Professor of Speech, Language, & Hearing Sciences
Purdue University*

Friday, 14 February, 2020

3:30 – 5pm, Beering Hall 1245

“Shannon Information as a Framework for Pragmatic Empiricism”



This presentation employs an empiricist approach to thinking about sensorineural processing and the actions it supports. Dr. Kluender will explain five reasons why access to the true state of the environment is impossible, while highlighting some fundamental properties of sensorineural systems. He will then present an information-theoretic framework that tethers sensation to action in ways that are adequate to support adaptive behavior.

Among other virtues of this approach, oft-confusing distinctions between sensation, perception, and learning dissolve along a continuum of increasingly sophisticated processes that wrench predictability from sensory inputs as one ascends along the sensorineural hierarchy. Many experimental examples will be illustrated along the way.

Dr. Keith R. Kluender (PhD, University Texas-Austin) joined the Speech, Language, and Hearing Sciences faculty at Purdue in 2012. Dr. Kluender employs interdisciplinary approaches and techniques from fields as diverse as cognitive psychology, communication disorders, computer science, electrical engineering, linguistics, neuroscience, and philosophy. His research is dedicated to helping us better understand how people hear complex sounds such as speech, how experience shapes the way we hear our world, and how we use what we hear to guide our actions and to communicate.



View our Spring 2020 Philosophy Colloquia Schedule at:

https://cla.purdue.edu/academic/philosophy/news_events/colloquia.html

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