Data-driven approach for understanding and prediction of seismic activity

*Takane Hori[1], Tatsu Kuwatani[1,2], Toshiaki Omori[3], Masato Okada[4]

1. Japan Agency for Marine-Earth Science and Technology, 2. Japan Science and Technology Agency, 3. Graduate School of Engineering, Kobe University, 4. Graduate School of Frontier Sciences, The University of Tokyo

In order to understand crustal activity, in which various spatio-temporal phenomena co-exist, we try to understand in physical and material science point of view, and to use effective models which corresponds to hidden structure in real data with data-driven approach. In the presentation, we will introduce our data-driven approach for understanding and forcasting of crustal activity.

Keywords: data-driven science