## [J] Oral | S (Solid Earth Sciences ) | S-TT Technology & Techniques

## [S-TT38]Creating future of solid Earth science with high performance computing (HPC)

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Sat. Jun 5, 2021 9:00 AM - 10:30 AM Ch.21 (Zoom Room 21)

Due to the development in computer science and computational science, large-scale or many times forward simulations and/or inversion analyses have become available recently. In solid Earth science, large-scale seismic wave propagation and crustal deformation with high fidelity models based on high resolution observation data have been demonstrated; uncertainty in crustal deformation caused by material properties and structures can be investigated based on many-time calculations for different material properties and structures; fault slip inversion analyses for non-Gaussian error distribution, etc. Thus, we will invite researchers who are applying HPC technology in forward simulations and inversion analyses and discuss how to improve more the collaboration between computer &computational sciences and solid Earth science. We are welcome submission by the researchers who are interested in this scope, especially students and young researchers.

10:15 AM - 10:30 AM [STT38-06]Discussion