An Overview of RIKEN MPI (MPICH-Tofu)

- Derivative of MPICH
  - Collaboration between RIKEN and Argonne

- Fugaku specific features are developed by RIKEN
  - Some collectives, e.g. Barrier and Reduce, are offloaded in Tofu (No CPU cycles are involved)
  - Process-in-process will be integrated
  - Optimized XPMEM on McKernel

- Status
  - The tofu fabric provider has been implemented and tested
  - Performance tuning is being done