

## **Theme: New Computing**

### **- Sub theme: Computing Devices and Architecture**

We are looking for new approaches to revolutionize next-generation computing in terms of high performance and energy efficiency. These may include disruptive device technologies that can go beyond state-of-the-art semiconductor electronics and innovative computing architectures that can overcome the limitations of current von Neumann architecture.

We are highly interested in (but not limited to) the following list of topics:

- Spintronics based device technology
- Brain inspired / Neuromorphic computing
- Racetrack memory
- Domain wall based majority gate
- In-memory computing
- Probabilistic computing
- Quantum computing
- Molecular computing

※ The participants are also encouraged to propose new ideas outside the topics listed above.

※ Funding: Up to USD 150,000 per year