Low-power computing and memory is critical for portable and self-powered IoT hardware applications ranging from wearables for healthcare to equipment monitoring for manufacturing plants and transportation networks. MIST Center researchers are exploring potential candidates for next generation low power computing and memory technologies.

Founded in 2014, the Multi-functional Integrated System technology (MIST) Center is a research consortium under the auspices of the Industry/University Cooperative Research Centers program at the National Science Foundation.

Since 2015, the MIST Center has funded $310k across 5 projects conducted by 7 faculty members resulting in 5 pre-publication reports, 4 journals and 1 patents.

### Related Intellectual Property

### Related Publications

### List of Projects
1. 2022-C3 - Interoperable Emerging Memory Technology (EMT) emulation platform (Mircea Stan, Kevin Skadron)
2. 2022-C2 - Hybrid topological insulator-ferromagnet stacks for in-memory computing (Avik Ghosh)
3. 2021-C2 - Hybrid Topological Insulator-ferromagnet Stacks for In-memory Computing (Avik Ghosh)
4. 2016-C1 - Scalable Low Power Universal Logic/Memory Technologies (Toshikazu Nishida, Jing Guo, Saeed Moghaddam)
5. 2015-P8 - Ferroelectric HfO2 for Energy Storage and Non-volatile Memory Applications (Toshikazu Nishida, Saeed Moghaddam)