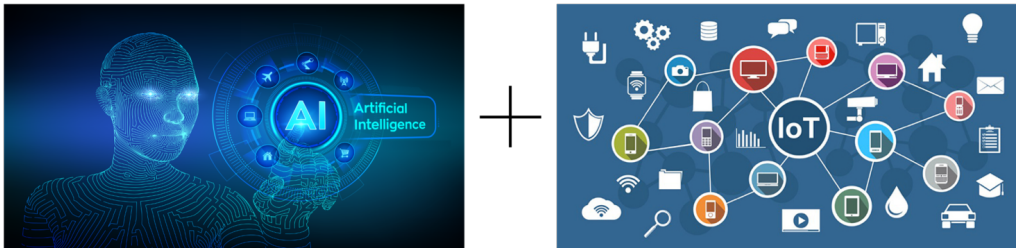
中国科学技术大学
University of Science and Technology of China



Research Opportunities in Artificial Intelligence of Things (AIoT)

We are recruiting students at all levels (PhD, MS, undergrad) and postdocs / associate research fellows

About: The ever-emerging paradigm of Artificial Intelligence of Things (AIoT) targets solutions that capitalize the computational power of Internet-of-Things (IoT) devices to enable Artificial Intelligence (AI) in system operations. Notable examples enlist Cyberphysical Systems such as Smart Cities, Smart Grids, Intelligent Transportation, Sensor Networks, and Swarm Robotics.

The AIoT Research Laboratory conducts interdisciplinary research across a broad range of topics and applications pertaining to AIoT such as: a) machine learning: deep learning, federated learning, reinforcement learning, online learning, and data mining, b) distributed optimization, c) edge computing, d) wireless networks, e) system theory: optimization, estimation, and control, f) signal processing: sparse sampling and online algorithms; as well as applications in robotics, transportation, power systems, and more.

Requirements: MS applicants must hold (or be close to completing) a BS degree, PhD applicants an MS degree, and postdoctoral fellow / associate research fellow applicants a PhD degree, in Computer Science, Electrical Engineering, Applied Mathematics, or a relevant field, with research experience/interest in at least one of the aforementioned focal areas. A proven publication record, solid mathematical background, strong programming skills, and the ability to work in a multi-disciplinary team are essential. Interested applicants can submit a CV, cover letter, research statement, and two selected publications (if applicable) to Prof. Nick Freris (nfr@ustc.edu.cn).

For more information, please visit: http://staff.ustc.edu.cn/~nfr

About USTC: The University of Science and Technology of China (USTC) is a prominent university in China and enjoys an excellent reputation worldwide. It was established by the Chinese Academy of Sciences (CAS) in 1958 in Beijing, as a strategic action by the Chinese government, to meet China's science and technology needs and increase the country's international competitiveness. In 1970, USTC moved to its current location in Hefei, the capital of Anhui Province.

USTC is one of the most important innovation centers in China. It is the only university in China operating two national labs: the National Synchrotron Radiation Laboratory and the Hefei National Laboratory for Physical Sciences at the Microscale. It also jointly operates two national "big science" facilities along with CAS institutes: the Experimental Advanced Superconducting Tokamak and the Steady High Magnetic Field of the High Magnetic Field Laboratory.

USTC is a world leader in fields like quantum computing, nanotechnology, high-temperature superconductivity, speech processing, fire science, and life sciences. It is consistently ranked as one of the best universities in China and the world.