

The Future: Research

Examples of IoT research and how it is being used at Swinburne University's Research Lab in Victoria.

- Development of advanced IoT devices & robots that provide information from & perform actions in the IoT cyber-physical ecosystem.
- Discovery and integration of IoT devices & their data permitting the use of billions of IoT devices that have been deployed, owned, & controlled by others.
- Real-time IoT data analysis on the cloud, at the edge, & on the move, including localisation, personalisation, and contextualisation of IoT data.
- IoT security and privacy for IoT devices with limited computing resource and connectivity.
- IoT actuation via IoT devices, robots and process-based automation
- Lower-power and longer-range IoT networking for IoT devices
- Wearable IoT devices and systems
- Human performance, human/IoT integration, and IoT information visualisation

