Advanced EO/IR Technology and Imagery Exploitation

- The performance of advanced EO/IR sensors is challenged by line-of-sight, space available for deployment, atmospheric/weather condition, and complexity in the environment. We are interested in advanced concepts and techniques such as hyperspectral imagery, computational photography and compact sensors to pick out targets from cluttered background, achieve high resolution, provide persistent wide coverage for day and night operations. We are also interested in the imagery exploitation of EO/IR sensors to improve detection in low resolution image, enhance tracking, classification and recognition capabilities.

- The proposed technologies for development should overcome the challenges and improve the performance of the state-of-the-art EO/IR sensors.

- For more information, contact FSTD’s Programme Manager in charge:

  Tan Teng Chork  Tan_Teng_Chork@defence.gov.sg