

## Special Issue

# Optical Sensors for Space Situational Awareness

### Message from the Guest Editor

Today, small satellites are replacing larger satellites for a variety of applications in a form of large constellations like Starlink, Planet and Globalstar. While this trend is promising in terms of low-cost solutions for space-based services like communication, resource monitoring, and weather forecasting, this sudden and rapid growth in space objects has also drawn increased attention to space situational awareness. In response to this issue of the growing population of Resident Space Objects (RSO), there has been significant effort in developing optical sensors to advance SSA capabilities. RSO observations is made through ground- and space-based optical telescopes and radar systems. In the special edition, we present optical payload design from ground-based systems, low-cost optical imagers, dedicated high resolution cameras and other optical technologies that have been proposed and demonstrated for space situational awareness. Potential topics include but are not limited to:

- Space Situational Awareness (SSA)
- Resident Space Objects
- optical camera
- space object
- space debris
- object tracking
- RSO detection

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2024)



## Sensors

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