

## **Considerations for Next Generation Space Manipulators**

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The assembly and maintenance of the International Space Station have provided a wealth of experience addressing a wide range of robotics system design and practical operational issues. The lessons learned from over ten years of robotics operations on-board the ISS can benefit the developers of the next generation of robotic systems, particularly in the fields of space exploration and on-orbit servicing. This presentation will describe some of the major events involving ISS robotics operations and the lessons learned from those experiences. The presentation will highlight a few key aspects of the design and operations of space manipulators that can significantly increase the effectiveness and reduce the cost of future systems.