



INFORMATION SYSTEMS

Returning To Earth

Canada's Space Robotics and Terrestrial Applications

presented by Tim Fielding

www.mdacorporation.com

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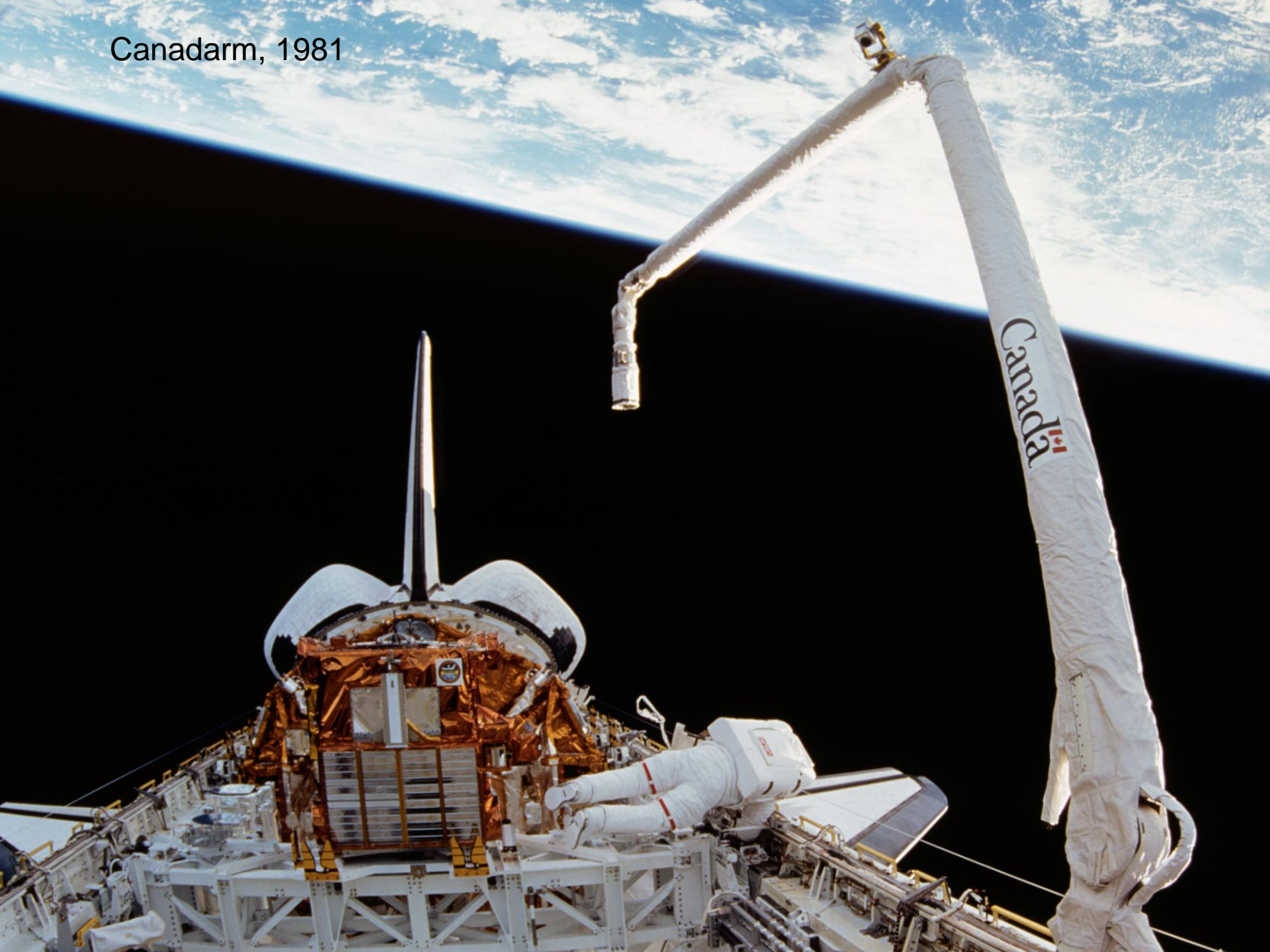
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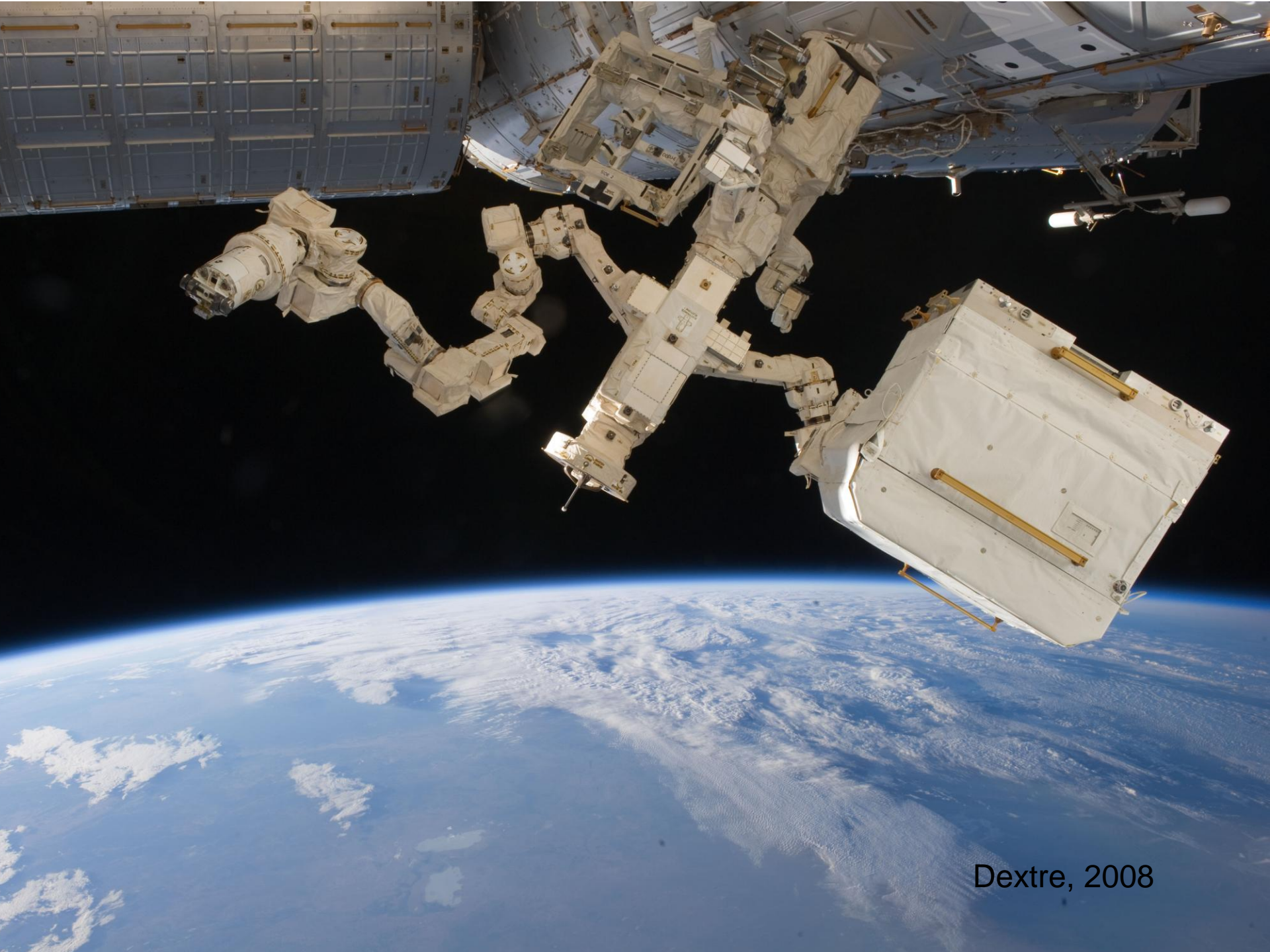
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Canadarm, 1981





Canadarm 2, 2001



Dextre, 2008

Best Tasks for Robotics



- Operate on a **scale** not humanly possible



- Operate in **environments** not humanly possible



- Process or integrate **information** on a scale not humanly possible



- Operate on in a **time-frame** not humanly possible

MDA Space Robots

Canadarm, 1981



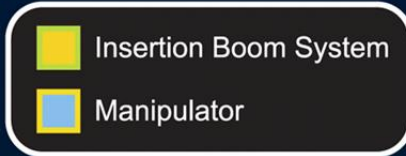
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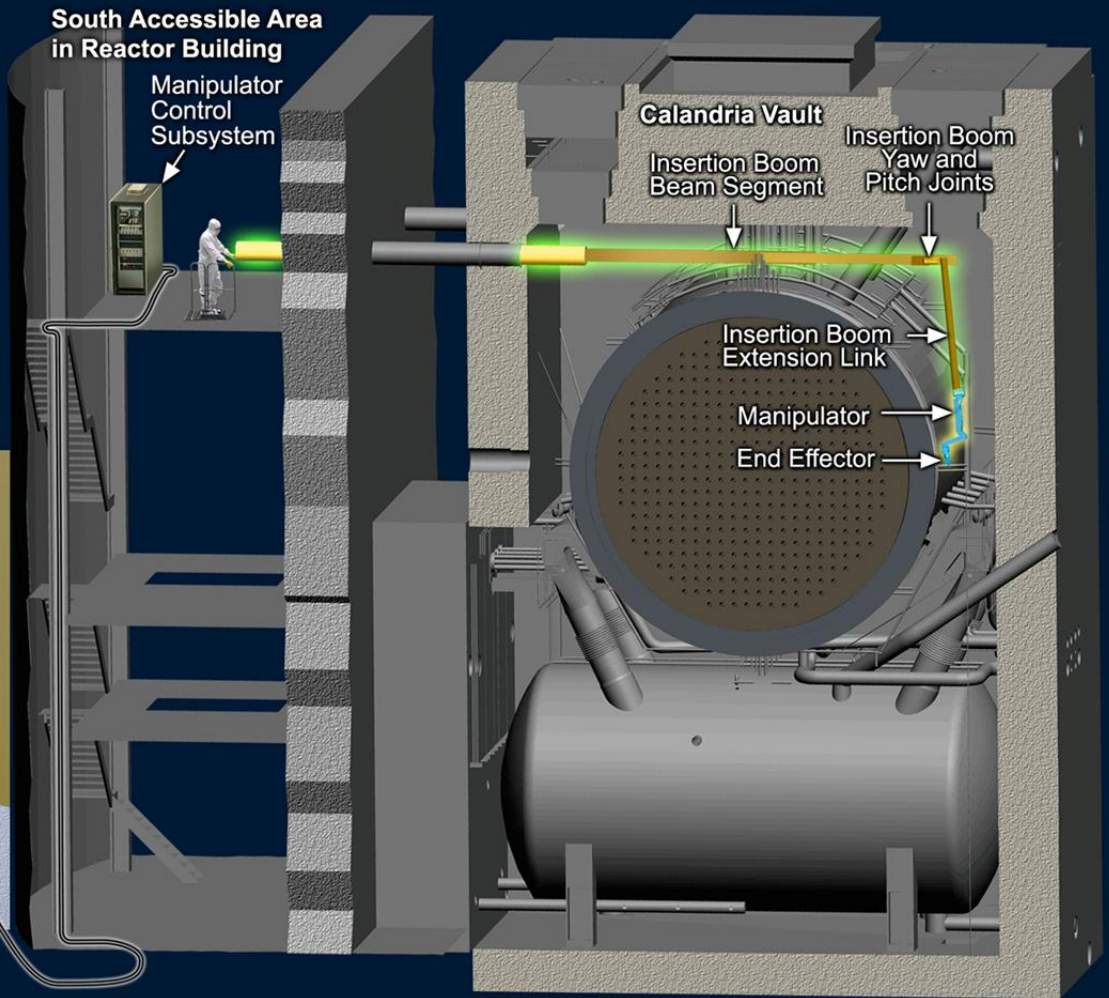
Dextre, 2008



Reactor Inspection



Office Area Outside Reactor Building



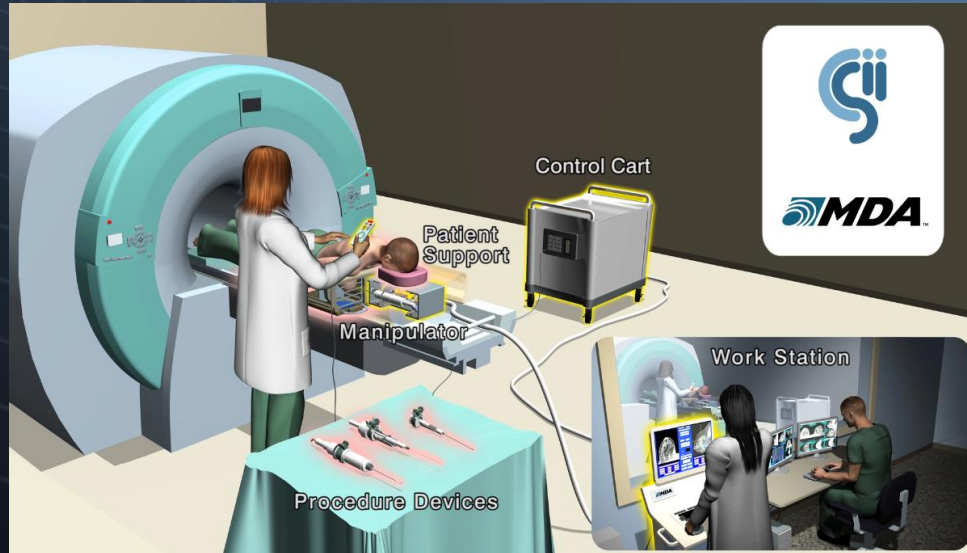




neuroArm



MR Guided Breast Biopsy



Hazardous Scene Situational Awareness



Thank You

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