

# Manitoba Aerospace Technology Areas for R&D

## Workshop Summary

April 2013

### Listing of Priority Technology Areas

1. Advanced Machining (Chair: Corner)
  - Robotics/inspections
  - Adaptive machining/multi-task flexible
  - 3-d measurement/fabrication/printing
2. Robotics & Automation (Chair: Magellan)
  - Assembly
  - Robotic Finishing
  - Vision systems
3. Composites (Chair: Boeing)
  - Advanced composites Process
  - Advanced composite materials
  - Composite technologies (out of autoclave)
  - Ceramic Matrix Composites

## Listing of Priority Technology Areas

4. Simulation Modeling and Analysis (Chair: MAA)
  - Engineering design and qualification
  - Simulation and analysis
  - Testing and qualifications
  - DAO certification and processes
  - Composite Design
5. Testing and Certification (Chair: StandardAero)
  - Cold weather testing
  - Environmental testing
6. Space and Rocket Systems (Chair: Magellan)