





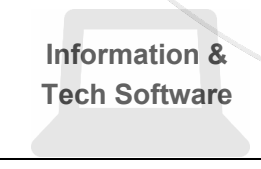


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## Sample NASA Intellectual Property (IP) List



**\*\*Important!** The selections of NASA IP in this document include extra details and webinars which may assist a team with development of their concept. However, a team may use any IP from the [NASA patent portfolio](#) as the basis for their business/proposal.

 <p><b>Aerospace</b></p>	<a href="#">FACET: Future Air Traffic Management Concepts Evaluation Tool</a>
	<a href="#">Method and System for Air Traffic Rerouting for Air-space Constraint Resolution - NASCENT</a>
	<a href="#">Flight Awareness Collaboration Tool (FACT)</a>
	<a href="#">Unmanned Aerial Systems (UAS) Traffic Management</a>
	<a href="#">Green aviation - improved aerodynamic efficiency and less fuel burn</a>
	<a href="#">Multi-Objective Flight Control Optimization Framework</a>
	<a href="#">Co-Optimization of Blunt Body Shapes for Moving Vehicles</a>
	<a href="#">Aeroelastic Wing Shaping</a>
	<a href="#">Multicopter Aircraft Noise Reduction</a>
	<a href="#">Method for Reducing Broadband Noise</a>
	<a href="#">Vision-Based Approach and Landing System (VALS)</a>
	<a href="#">Airborne Background Oriented Schlieren Technique (AirBOS)</a>
	 <p><b>Communication</b></p>
<a href="#">Smart Enclosure Using RFID for Inventory Tracking</a>	
 <p><b>Environment</b></p>	<a href="#">Flame Piloted Vortex (SCWO-FPV) Reactor</a>
	<a href="#">Tool for Rapid Identification of TCE in Plants</a>
 <p><b>Health</b></p>	<a href="#">Methylotrophic Microorganisms Expressing Soluble Methane Conversion Monooxygenase Proteins</a>
	<a href="#">Rapid Nucleic Acid Isolation Method and Fluid Handling Devices</a>
	<a href="#">Microorganism Cultivation Platform for Human Life Support</a>
	<a href="#">Nanosensor Array for Medical Diagnoses</a>
 <p><b>Information &amp; Tech Software</b></p>	<a href="#">Traffic Aware Planner</a>
	<a href="#">Pyramid Image Quality Indicator</a>

<b>Manufacturing</b>	<a href="#"><u>Calibration System for Automated Fiber Placement</u></a>
	<a href="#"><u>Internal Friction Reduction (IFR) Tool</u></a>
	<a href="#"><u>Cladding and Freeform Deposition for Coolant Channel Closeout</u></a>
	<a href="#"><u>System for In-situ Defect Detection in Composites During Cure</u></a>
	<a href="#"><u>Fabricating Printable Electronics and Biosensor Chips</u></a>
<b>Materials &amp; Coatings</b>	<a href="#"><u>Silicon Carbide Fiber Tows</u></a>
	<a href="#"><u>Carbon Fiber-Carbon Nanotube Yarn Hybrid Reinforcement</u></a>
	<a href="#"><u>Puncture-Healing Engineered Polymer Blends</u></a>
	<a href="#"><u>Multifunctional Ablative Thermal Protection System</u></a>
<b>Mechanical &amp; Fluid Systems</b>	<a href="#"><u>Shape Memory Alloy Rock Splitters (SMARS)</u></a>
	<a href="#"><u>Compact Vibration Damper</u></a>
	<a href="#"><u>Shape Memory Alloy Tubular Structure</u></a>
<b>Optics</b>	<a href="#"><u>Fluid Lensing System for Imaging Underwater Environments</u></a>
<b>Power</b>	<a href="#"><u>Li-ion Cell Calorimeter</u></a>
	<a href="#"><u>Relaxor Piezoelectric Single Crystal Multilayer Stacks for Energy Harvesting Transducers</u></a>
<b>Robotics</b>	<a href="#"><u>Multi-Parameter Aerosol Scattering Sensor</u></a>
	<a href="#"><u>Robotic Assembly of Photovoltaic Arrays</u></a>
	<a href="#"><u>Autonomous Crash Management System (CMS)</u></a>
<b>Sensors</b>	<a href="#"><u>Multidimensional Damage Detection System</u></a>
	<a href="#"><u>Lightweight Fiber Optic Sensors for Real-Time Monitoring of Structural Health</u></a>
	<a href="#"><u>Multivariate Monitoring for Human Operator and Machine Teaming</u></a>
	<a href="#"><u>Universal Wireless Flight Sensor Systems</u></a>
	<a href="#"><u>Floating Ultrasonic System</u></a>
	<a href="#"><u>Electric Field Imaging System</u></a>