Matt Anderson

Robotic Systems and Autonomy

Air | Land | Sea

System Architecture for complex robotics systems, specializing in extreme environment robotics
Supporting Science though robotic sensor / payload designs and deployment to harsh environments
Integration and Design of sensor and autonomy stacks under challenging size, weight, and power constraints
Leading Teams of any size towards success, from project conception through to field demonstrations
Executing Field Test Campaigns from the depths of coal mines to the skies over mountains and beyond line of sight
Ensuring Safety through years of experience in experimental robotics coupled with ongoing training
Test Pilotage for anything that flies, floats or drives
Capability Multiplication through a width breadth of knowledge in cutting-edge research and project support

Skills

- ROS1/2, MATLAB, C++, Python, Docker, bash, git
- ArduPilot, PX4, Mission Planner, qgroundcontrol
- SolidWorks, Inventor, KiCAD, rapid prototyping
- Part 107 (FAA), Fixed-Wing Gold Wings (MAAA)
- First Aid / CPR (American Red Cross)

Experience

Staff Scientist (2019 – Current)
California Institute of Technology

Post Doc (2018 – 2019)
Jet Propulsion Laboratory

Researcher (2018)
The University of Sydney / ACFR

Education

Ph.D (System Identification)
University of Sydney /
University Libre de Bruxelles

B. Eng (Hons. I, Aeronautical)
University of Sydney

CV

Up for a challenge?
Let's succeed together

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