

Carleton-Cranfield Student Aerospace Seminars - 13th and 14th June 2024

Cranfield Seminar

Date: June 13th

Time: 9:00 AM - 12:00 PM

Room: 3101CB

Speaker Agenda:

- Digital Non-Destructive Automated Inspections, *Angelos Plastropoulos*
- Advanced Diagnostics of Aircraft Structures Using Automated Non-Invasive Imaging Techniques, *Kostas Bardis* Predictive Path Optimization Model for Autonomous Vehicles, *Ndidiamaka Adiuku*
- A Hybrid Prognostic Methodology for Aircraft Systems, *Felix Fu*
- Prognostics of Landing Gear Remaining Useful Life Through Alternative Data Sources, *Haroun El Mir*
- AI-Enhanced Digital Twin and High-Level Reasoner Decision Support System for Aircraft Systems, *Fakhre Ali*
- Cranfield Space Group Presentation

Carleton Seminar

Date: June 14th

Time: 9:00 AM - 12:00 PM

Room: 3101CB

Speaker Agenda:

- A Novel 3D Massive Antenna Architecture with Strategic Resource Allocation for Near-Space HAPS Systems with Spatially Correlated Channels, *Rozita Shafie*
- Enhancing Next-Generation Urban Connectivity: Is Integrated Near-Space - Terrestrial Network A Solution, *Afsoon Alidadi Shamsabadi*
- Performance of Double-Double Composite Laminates Under Low-velocity Impact and Compression After Impact, *Peyman Shabani*
- The Use of Neural Networks for Structural Health Monitoring Systems in Composite Aerospace Structures, *Olivia Chamberland*

The seminars are in person only. You will receive two attendance credits for each full day of attendance. A sign-in sheet will be available to track attendance.