

Testimony of Chamal Perera

Undergraduate student, University of Sydney, Australia

Research internship at ISAE-SUPAERO, Toulouse, France.

Topic: *Cubesat power subsystem simulator development*

Department of Aerospace Vehicles Design and Control (DCAS)

Chamal Perera is currently 20 years old. He is beginning his fourth year of his five year bachelors of aerospace engineering and advanced mathematics (majors in pure and applied mathematics):

“My motivation for coming to ISAE-SUPAERO for this internship is to further develop understanding of the system engineering approach to satellite development as well as immerse myself in a new culture.”

“The theme behind this internship is providing electrical power to a cubesat. This involved analyzing different mission plans using a power subsystem simulator, developing ranges of heating times and developing a generic cubesat power subsystem simulator.”

This internship developed my understanding of general engineering practices involved with the power subsystem as well as a general understanding of how each subsystem should communicate. My future profession will be related to aerospace engineering.”

What would you say to an Australian student if he came to do an Internship at ISAE-SUPAERO?

“If an Australian student was arriving to do an internship at ISAE-SUPAERO I would advise them to take advantage of the opportunity. This would involve meeting and working under experienced people who can teach about their field of expertise.”