



Graeme J. Kennedy, PhD

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September 8, 2014

Justin S. Gray  
OpenMDAO Team Lead  
NASA Glenn Research Center  
Cleveland, OH 44135

Dear Mr. Gray,

The Georgia Institute of Technology would be pleased to participate in support of the NASA Seedling project entitled *Coupled Aero-Propulsive-Elastic Design of an Ultra-Light, Highly-Flexible, Human-Powered Aircraft*.

This proposal is focused on the development and integration of high-fidelity analysis tools and multi-fidelity design methodologies required for the design of highly-flexible human-powered aircraft. Our group at the Georgia Institute of Technology has experience in coupled aerostructural and aeroelastic design optimization and has developed the Toolkit for the Analysis of Composite Structures (TACS), that will be used within this project.

I understand that our participation in the project will only occur if you are awarded the Phase I funding for this project. If Phase I is successfully completed, and we are awarded Phase II, I will also participate in that effort as well. In addition, I understand that the funding for Phase I is limited to a maximum cost of \$85,000 in Phase I. Expenses from our team will be invoiced at the appropriate hourly rate for each member of the team. In addition, any travel expenses and support costs that are incurred in support of the project will also be invoiced.

Sincerely,

A handwritten signature in black ink, appearing to read "Graeme J. Kennedy". The signature is fluid and cursive, with the last name "Kennedy" being more prominent.

Graeme J. Kennedy, PhD