

## **2005/2006 Student Design Competition Winners**

Reston, VA—The American Institute of Aeronautics and Astronautics (AIAA) Foundation is pleased to announce the winners of its 2005/2006 Student Design Competitions. Administered by AIAA's Student Programs Department, these competitions are part of a wide-reaching program that recognizes excellence in aerospace engineering study at both the undergraduate and graduate level.

Judged by members of AIAA Technical Committees, AIAA Foundation Student Design Competitions seek to increase the practical skills of aerospace engineering undergraduate and graduate students in both individual and team conditions. Cash awards are given to the first three places in each of the student design competitions.

Specific Requests for Proposal (RFP) are issued and either teams of 3-10 or individual undergraduate/graduate students compete to devise the best design to fit the RFP in a given time period. A rigorous series of requirements and design objectives must be adhered to and the final report must accommodate not only the design itself, but also the organization and management of the project.

The winners (by competition) are:

### **Undergraduate Team Aircraft—Homeland Defense Interceptor**

*1st Place—California Polytechnic, San Luis Obispo—Black Mamba*

David Hueftle  
Benjamin Bickley  
Kelly Dahl  
Joseph Gotzler  
Brady Mitchell  
Ryan Huthmacher  
Laura Bunker  
Daniel Richardson  
Scott Peery

Faculty Advisor: David Hall

*2nd Place— California Polytechnic, San Luis Obispo—Defiant*

Robert Austin  
Ted Garbeff  
Teresa Quinliven  
Andrew Brown  
Chris Kearney

Kristi Stavros  
Kiel Carreau  
Kevin Lutke

Faculty Advisor: David Hall

*3rd Place—RMIT University-Kestrel*

Riana Haldane  
Joanne Braganza  
Geraldine Loh  
Sunny Dhingra  
Anthony Michael Ferronato  
Guy Ortlipp  
Shayne Sommerville  
James Cade  
Ben Criddle  
Michael Dromgool

Faculty Advisor: Cees Bil

### **Graduate Team Aircraft—Design of a Fast and Efficient Air Taxi (FEAT)**

*1st Place—Not Awarded*

*2nd Place—The Ohio State University*

Trevor Goerig  
Peter Munther,  
Clifford Whitfield  
Adam Wise

Faculty Advisor: Dr. Gerald Gregorek

### **Undergraduate Team Space—New Decelerator System for Capsules Reentering from Deep Space**

*1st Place— Virginia Polytechnic Institute and State University—RIPTCORD*

Christopher Philyaw  
Michael Balch  
Mohammed Islam  
Alex Menkhaus

Kieumi Nguyen  
James Russell  
Jason Solimani  
Daniel Spracher  
Christopher Szwee  
Amanda Yothers

Faculty Advisor: Christopher Hall

*2<sup>nd</sup> Place—Pennsylvania State University—Fireball*

Cody Boyd  
Snehil Chandra  
Richard Jacobs  
Rob Deutchman  
Tim Murray  
Brad Petrilla  
Diana Valtierra

Faculty Advisor:

*3<sup>rd</sup> Place—University of Michigan—Tethered Re-Entry Decelerator System (TREDS)*

Nathan N. Meredith  
Catlin Garcia  
Gerasimos Houpis  
Danny Lau  
Colin Miranda  
Shane Moore  
Martin Pietraszkiewicz  
Richard Prasad  
Jeffrey Schloemer  
David Williams

Faculty Advisors: Brian E. Gilchrist, Peter Washabaugh

### **Undergraduate Team Space Transportation—Lunar Transportation System**

1st Place—Georgia Institute of Technology—Project M Train

Jonathan Sharma  
Anna Bancroft  
Chris Lowder  
Jeff Yunes

Kevin Bokelmann  
Kyle Brown  
Matthew Prior  
Parker Hancock  
Raj Ghosh  
Steve Deisher

Faculty Advisor:

*2<sup>nd</sup> Place—University of Illinois, Urbana-Champaign—Project Khonsu*

Vladimir Kudinok  
Stephanie Milczarek  
Keith O'Donnell  
John Warner  
Philip Patnaude  
Paul Miles  
Steven Eberle  
Scott Tashakkor

Faculty Advisor:

*3<sup>rd</sup> Place (tie)—University of Illinois, Urbana-Champaign—Project Janus*

Derek Bushman  
Ethan Chew  
Brad DeBlauw  
Matt Giacomi  
Eli Lazar  
Ronak Patel  
Daniel Reitz  
Adam Trebs

Faculty Advisor:

*3<sup>rd</sup> Place (tie)—University of Illinois, Urbana-Champaign—The Hyperion Project*

John Evans  
Keven Joye  
John Mackin  
Paul Martin  
Derek Meyer  
James Owens

Mark Schaffer  
Jessica Senning

Faculty Advisor:

**Undergraduate Team Engine—*Improved Propulsion System for a 50-Passenger Regional Jet***

*Not Yet Determined*

*1st Place—*

Faculty Advisors:

*2nd Place—*

Faculty Advisors:

3rd Place (tie)—

Faculty Advisors:

3rd Place (tie)—

Faculty Advisors: