Committee on Science, Space, and Technology
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. **Your Name:** Robert D. Braun		
2. **Are you testifying on behalf of the Federal, or a State or local government entity?**	**Yes**	**No** ✓
3. **Are you testifying on behalf of an entity that is not a government entity?**	**Yes**	**No** ✓

4. **Other than yourself, please list which entity or entities you are representing:**
Representing self. Employed at the Georgia Institute of Technology.

5. **Please list any Federal grants, cooperative agreements, or contracts (including subgrants or subcontracts) that you or the entity you represent have received on or after October 1, 2012:**
Attached list of federal grants received by my research group at Georgia Tech on or after 10/1/12

6. **Please list any foreign government payments that you or the entity you represent have received on or after October 1, 2012:**
None. I have given a GeorgiaTech shortcourse to European Space Agency personnel twice: January 2013 and March 2014.

7. **If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity(ies) you are representing:**
N/A

8. **If your answer to the question in item 3 is "yes," do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?** N/A	**Yes**	**No**

9. **If the answer to the question in item 3 is "yes," please list any Federal grants, cooperative agreements, or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2012, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:**
N/A

I certify that the above information is true and correct.

Signature: [redacted] **Date:** 7/26/15

Robert D. Braun
David and Andrew Lewis Professor of Space Technology
Daniel Guggenheim School of Aerospace Engineering
Georgia Institute of Technology

NASA Grants and Contracts (After 10/1/12)

A. As Principal or Co-Principal Investigator

Research

Modeling, Analysis, and Design of Hypersonic Inflatable Aerodynamic Decelerators, NASA Langley Research Center, $380,000, April 2012 – May 2015, Principal Investigator.

Trajectory, Atmosphere and Aerothermal Reconstruction Methodology Using the MEDLI Dataset. NASA Aeronautics Research Mission Directorate NRA: Research Opportunities in Aeronautics, $450,000, May 2012 – May 2015, Principal Investigator.

Guidance and Control for Entry Vehicles with Deployable Hypersonic Decelerators. NASA Space Technology Research Fellowship Program, $253,000, August 2011 – July 2015, Principal Investigator.

Use of the Mars Atmosphere To Improve Performance of Supersonic Retropropulsion. NASA Space Technology Research Fellowship Program, $265,300, August 2012 – July 2016, Principal Investigator.

Aerothermodynamic Ground Testing and Computer Simulation for Deployable Hypersonic Decelerator Flexible Thermal Protection Systems. NASA Space Technology Research Fellowship Program, $265,300, August 2012 – July 2016, Principal Investigator.

Transpiration Cooling as a Thermal Protection System for Extreme Environment Atmospheric Entry. NASA Space Technology Research Fellowship Program, $113,500, August 2012 – December 2013, Principal Investigator.

State of the Art Data Reduction, Parameter Identification and Modeling of Supersonic Ringsail Parachute. NASA Langley Research Center, $165,000, January 2013 – July 2014, Principal Investigator.

Sustainable In-Space Manufacturing Through Rapid Prototyping Technology. NASA Space Technology Research Fellowship Program, $282,600, August 2013 – July 2017, Principal Investigator.

Supersonic Retropropulsion Testing. NASA Game Changing Development Program, Principal Investigator, $142,000, October 2013 – September 2014, Principal Investigator.

Mars CubeSat Class Orbiter and Lander Missions, Jet Propulsion Laboratory, $50,000 (Braun portion = $25,000), May – October 2014, Principal Investigator, Georgia Tech research performed in collaboration with Co-I Prof. David Spencer.

Hot Fire Supersonic Retropropulsion Test Project. NASA Game Changing Development Program, Principal Investigator, $8,500,000. Georgia Tech funding $496,000, July 2014 – June 2016. Project involves a large number of personnel at NASA Johnson Space Center, NASA Langley Research Center, and the Jet Propulsion Laboratory.

Vehicle Staging Analysis of the Transition to Supersonic Retropropulsion During Mars Entry, Descent and Landing. NASA Space Technology Research Fellowship Program, $287,900, August 2014 – July 2018, Principal Investigator.

Development of Conformal Ablative Thermal Protection Material and Fabrication Process. NASA Space Technology Research Fellowship Program, $287,900, August 2014 – July 2018, Prinicipal Investigator.

Technologies to Enable EDL of Smallsat Science and Exploration Payloads. NASA Space Technology Research Fellowship Program, $293,200, August 2015 – July 2019, Prinicipal Investigator.

Titan Submarine EDS Design and System Analysis, NASA Glenn Research Center, $40,000, August 2015 – July 31 2017.

Educational

Shortcourse on Planetary Entry Descent and Landing. Jet Propulsion Laboratory, $25,400, March 2013, Principal Investigator.

Shortcourse on Advanced Entry Descent and Landing. Jet Propulsion Laboratory, $30,500, July 2014, Principal Investigator.

Enclosure 4

False Statements Act Certification

You are specifically advised that providing false information to this Committee/Subcommittee, or concealing material information from this Committee/Subcommittee, is a crime, and you can be punished for that. If you acknowledge this, please sign the bottom of this form and return to the Committee. This form will be made part of the hearing record.

[redacted]

7/20/15

Date