

## **IAA Study Group Status Report March 20, 2006**

**Responsible Commission:** Commission 2. Life Sciences

**Study Number and Title:** 2.1 Mathematical Modeling & Physiological Simulation: The Digital Astronaut/Cosmonaut

**Short Study Description:** The overall goal of this IAA Study Group is to develop an Academy-endorsed, community-based publishable report on the issues, problems and benefits of an international program to develop a mathematical modeling and simulation system focused on the physiological and medical problems of space travelers.

**Progress in past six months:**

- Held a Study Group Discussion Meeting on October 19<sup>th</sup>, 2005 at the 56<sup>th</sup> International Astronautical Congress in Fukuoka, Japan. Attendees: R. White, R. Gerzer, J. McPhee, M. Cabrera, N. Buckley, R. Tullet, W. Paloski, C. Fuller, J. Coolahan, L. Prisniakov, V. Prisniakov, and O. Padashielya.
- Discussed a large number of potential figures for the report (See Attachment) and recommended use.

**Website Study Information up to date?** Yes

**Issues requiring resolution?** None

**Product Deliveries on Schedule?**

Current Schedule:

- |                                  |              |
|----------------------------------|--------------|
| • Report Outline                 | Completed    |
| • Individual Contributions       | March 2006   |
| • First Review                   | May 2006     |
| • Second Review                  | August 2006  |
| • Final Report Submission to SAC | October 2006 |

**Study Team Member Changes?** None

**Name of person providing Study Group Status** (Study Group Chair): R. J. White

**Status Report Date:** March 20, 2006