

# IAA Study Group Status Report

**Responsible Commission:** Commission II. Life Sciences

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

**Short Study Description** (repeat from Study Group Proposal):

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 Planning Meeting on October 5, 2005 at the Vancouver IAC Meeting. Attendees: R. White, R. Gerzer, J. McPhee, J. Coolahan, M. Kushmerick, W. Paloski, L. Young, T. Held, M. Cabrera, J. Puglisi, M. Rainier, B. Chase, B. Koch, and L. Bevilacqua
- Developed an Outline for the Study Group report, discussed the writing style to be used in the report and requested contributions from the meeting participants.
- Prepared an annotated outline with possible graphics to be used in report and sent materials out to full membership of Study Group with request for volunteers to contribute to the various report sections.

**Website Study Information up to date?** (Study Group Membership, Study Plan and Schedule):

No, but it will be shortly, once changes to the membership list and schedule are posted. The membership is proposed to be increased (see below) to enlarge the study group base. The Schedule must be modified to enable further contributions from the membership in a more realistic time frame. The basic study plan is unchanged.

**Issues requiring resolution?** (recommend approach): None

**Product Deliveries on Schedule?** (If modified explain rationale):

Current Schedule:	<u>Previous</u>	<u>Revised</u>
• Report Outline	October 2004	Completed
• Individual Contributions	January 2005	June 2005 in order to solicit further contributions from volunteers
• Integrated Report Draft	March 2005	September 2005
• First Review	May 2005	November 2005
• Second Draft	July 2005	January 2006
• Second Review	September 2005	March 2006
• Final Report	October 2005	October 2006

**Study Team Member Changes?** (List any Study Team Members that you wish to discontinue, and provide names plus contact coordinates of any Members you wish to add on the second page of this Study Update form.) Note: Complete contact information including email, tel. and fax must be provided for all additions. Only Members with complete contact information will be listed and receive formal appointment letters from the IAA Secretariat.)

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

**Status Report Date:** March 4, 2005

### **Study Team Membership Changes**

**Effectivity Date:** March 2005

**Discontinue:** None

**Add:**

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