

## **IAA Study Update**

**Study Number and Title: S 3.5 Dealing With The Threat To Earth From Asteroids And Comets**

**Responsible Commission: III**

**Short Study Description:**

Identify the most significant issues and potential international cooperative measures to deal with the potentially devastating effects of asteroid and comet impacts on Earth. Assess state of understanding of the likelihood of a disaster in years to come. Identify and assess effectiveness of potential countermeasures. Address technical, policy/political, social/psychological, and organizational/management areas for asteroids as well as for comets. Produce a comprehensive report that could, if approved, become an IAA Cosmic Study.

**Progress in past six months:**

The final workshop of the four which were considered necessary to obtain inputs before the study could efficiently begin has now been completed. A core group of the study group members has been selected, and the activities to organize the group for conducting the study and writing its report are almost complete. Identification of leaders from the group to lead the several areas of investigation is also almost complete, and the subgroups will begin technical work in earnest in 1-2 weeks.

**Website Study Information up to date?**

No. This is because I cannot enter ANY information into the FTP or the main Study Group section of the web site because it does not let me. I do not know why. Is this because I use a Mac computer?

**Issues requiring resolution?**

Yes. See above.

**Product Deliveries on Schedule?**

The schedule has had to slip until the four workshops considered vital to providing input data had been completed. This is now the case.

The new schedule is as follows:

- Data from last workshop, for inputs: May 2004
- Assemble working team: July 2004
- Draft report : October 2005
- Final report: Spring 2006

**Study Team Member Changes?**

Yes, see below.

**Name of person providing Study Group Status**

Ivan Bekey, Chair.

**Status Report Date:**

September 15, 2004

Please email completed report to Dr. Kasturirangan, [krs.antrix.org](mailto:krs.antrix.org), and Dick Kline, [rlkline@cox.net](mailto:rlkline@cox.net), by September 15, 2004, and post on your IAA Commission Website.

**Study Team Membership Changes**

Effectivity Date: Sept 15, 2004

**Add:**

Dr. Jonathan W. Campbell  
P.O. Box 295  
Harvest, AL 35749, USA

Phone: 256-961-7556  
FAX: 256-961-7186

[jonathan.campbell@msfc.nasa.gov](mailto:jonathan.campbell@msfc.nasa.gov)  
-----

Dr. Clark R. Chapman  
SwRI, Suite 400  
1050 Walnut St.  
Boulder CO 80302, USA

Phone: 303-546-9670  
Fax: 303-546-9687

[cchapman@boulder.swri.edu](mailto:cchapman@boulder.swri.edu)  
-----

Eric M. Choi  
Systems Engineer  
Phoenix Mars Scout Mission  
Meteorology Station (MET)  
MacDonald Dettwiler Space & Advanced Robotics  
9445 Airport Road  
Brampton, Ontario L6S 4J3, Canada

905-790-2800 ext. 4788 (phone)  
905-790-4522 (fax)

[echoi@mdrobotics.ca](mailto:echoi@mdrobotics.ca)

-----

Mark J. Cintala  
Code SR  
NASA Johnson Space Center  
Houston, TX 77058, USA

(281)483-5032 [voice]

(281)483-1573 [fax]

[mark.j.cintala@jsc.nasa.gov](mailto:mark.j.cintala@jsc.nasa.gov)

-----

Dr. Lee Clarke  
154 E. Chestnut Ave.  
Metuchen, NJ 08840, USA

732.445.5741

[lee@leeclarke.com](mailto:lee@leeclarke.com)

-----

Bill Cooke  
ED44/UNITeS  
Bldg 4487, Room C235  
Space Environments Team  
Marshall Space Flight Center, AL 35812, USA

Phone: (256) 544-9136

Fax: (256) 544-0242

Email: [bill.cooke@msfc.nasa.gov](mailto:bill.cooke@msfc.nasa.gov)

-----

Daniel D. Durda  
Southwest Research Institute  
1050 Walnut Street, Suite 400  
Boulder, CO 80302, USA

303-541-9084 (voice)

303-546-9687 (fax)

[durda@boulder.swri.edu](mailto:durda@boulder.swri.edu)

-----

---

George Friedman  
5084 Gloria Ave, Encino,  
CA 91436, USA

Phone: (818) 981-0225  
Fax: (818)981-1917

gfriedma@usc.edu

---

Albert A. Harrison  
Department of Psychology  
University of California, Davis  
Davis, CA 95616, USA

530-752-6659 Voice  
530-752-0411 Fax

aaharrison@ucdavis.edu

---

Mark Hempzell  
Senior Lecturer in Space Technology  
Department of Aerospace Engineering  
University of Bristol  
Queens Building, University Walk  
Bristol BS8 1TR  
United Kingdom

Telephone Mobile (best) +44 7973 228889  
Telephone Office + 44 117 928 7704  
Fax +44 117 927 2771

mark.hempzell@bristol.ac.uk

---

Gregg Maryniak  
X PRIZE Foundation  
733 A, Spirit of St. Louis Boulevard  
Chesterfield, MO 63005, USA

314-533-2002

maryniak@aol.com

---

Alessandro Morbidelli  
Observatoire de la Cote d'Azur  
B.P. 4229 06304 Nice Cedex 4, France

TEL: (33) 492003126  
FAX: (33) 492003118

EMAIL: [morby@obs-nice.fr](mailto:morby@obs-nice.fr)

---

-----  
Dr Benny Peiser  
Liverpool John Moores University  
Faculty of Science  
Liverpool  
L3 2ET  
United Kingdom

tel: 0151 231 4338  
fax: 0151 231 4353

[b.j.peiser@livjm.ac.uk](mailto:b.j.peiser@livjm.ac.uk)

---

Volodymir Prisniakov  
Home: 4, vulitsa Kazakova, kvartira 30, Dnipropetrovsk, Ukraine 49050  
Office: Institute Geotechnical Mechanics of National Academy Science of  
Ukraine, 2A, vulitsa Simpheropolskaya  
Dnipropetrovsk 5, Ukraine 49600

Office Tel: (0562) 460151,  
Fax: (0562) 462426  
Home tel: Tel/Fax: (0562) 463430

[kprisn@a-teleport.com](mailto:kprisn@a-teleport.com)

---

Geoffrey Sommer  
[sommer@rand.org](mailto:sommer@rand.org)

---

Douglas A. Vakoch, Ph.D., Director  
Interstellar Message Composition  
Center for SETI Research  
SETI Institute  
515 North Whisman Road

Mountain View, CA 94043, USA

Tel: 1-650-960-4514

Fax: 1-650-968-5830

Email: [vakoch@seti.org](mailto:vakoch@seti.org)

---

Marcello.Coradini@esa.int

8-10 Rue Mario Nikis

75738 Paris Cedex 15

France

---

Dr. Harvey Wichman

1128 Briarcroft Road

Claremont, CA 91711

Phone: (909) 624-7852

FAX: (909) 621-8419

harvey@wichman.org