

AIAA Microgravity and Space Processes Technical Committee Meeting Minutes

January 5, 2004

Meeting Opened 7:00PM PT

Welcome and Introductions

Mike Banish, MSPTC Chairperson welcomed everyone to the meeting and gave an overview of the agenda for the meeting. The members introduced themselves (see attachment #1). Kurt Sacksteder presented the awards for the best paper and best student presentation for the 2004 MSP Symposium. The Best Student Presentation was awarded to Srifinivasan Dattarajan. The Best Paper Award was given to James Hermanson, Hamid Johari, Dennis Stocker, and Uday Hegde.

Review of Old Action Items

A review of the old action items was led by Jeff Marchetta. The table below summarizes the Action Item review which was last updated in September. Mathew Koss agreed to continue his efforts to publish the summary microgravity science article in Aerospace America or Scientific American magazine. John Hochstein and Fred Kohl reported that they are still working to update the website with upcoming conferences.

OPEN ACTION ITEMS (AS OF 9/1/04)

Action Item	Description	Actionee	Status	PTOC	O/C
1/09.01.04	Post all future meetings and conferences on MSPTC website.	Banish	In progress	1/10/05	OPEN
1/08.06.03	Publish summary article in AIAA	Koss	Extended PTOC	1/10/05	OPEN
2/09.01.04	Contact AIAA to discuss moving TC meeting to Tuesday night	Banish	Mike Banish will contact AIAA	1/10/05	Closed
3/09.01.04	Matthew Koss will organize Town meeting for 2005 ASM	Koss	Matthew Koss will organize the meeting and will coordinate with Kurt Sacksteder	1/10/05	Closed

Subcommittee Reports

Executive and Congressional Liaison - Banish

No new information for Executive subcommittee.

Awards – Sacksteder

Kurt Sacksteder requested that session chairs turn in their evaluation forms to him before February. He also requested nominations for the Space Processing Award for the upcoming year. He reported three nominations from previous awarding periods which still can be used. The deadline for nominations is July.

Publications – Gustafson

Mike Banish reports that Matt Koss has agreed to continue efforts to write a summary article. He requested help from any interested members.

Education and Outreach – Schlagheck

Ron Schlagheck reported that the subcommittee made several goals and is continuing to pursue these goals. John Pojman reported the creation and development of a repository and website for microgravity science. He requested that members submit relevant technical material for the website.

Conference and Meetings – Doherty

Kurt Sacksteder organized the MSSP symposium for the 2005 ASM conference and reported that 55 papers were submitted. He suggested this year had a good turnout in session presenters, but expressed concern about participation for next year. Stephen Tse will assume responsibilities for the next symposium.

Mike Banish reported that The Gordon Conference has been renamed Engineering Space Systems.

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Congressional Liaison– Lupulescu

Mike Banish reported that Congressional Visits Day (CVD) is March 9 and is requesting volunteers for the upcoming visit. Marty Glicksman reported on his experiences from CVD 2005. He reported that the congressmen seemed aware of the concerns in the microgravity community but was skeptical that there would be changes regarding science.

Commercial Liaison – Barker

Karen Barker encouraged members to look for information and financial resources at commercial agencies and other government entities such as DARPA.

TC Liaison – Nahra

Mike Banish reported that Henry Nahra included a microgravity and space processing session as part of the biomedical/life sciences sessions at the ISIS meeting, but the turnout was low.

Nominations and Elections – Nahra

Mike Banish encouraged guests and visitors to join as new members and participate in subcommittees.

Membership – Ma

Nancy Ma reported the TC currently has 34 members, which includes 3 internationals, 1 associate member, and 13 alumni. Nancy requests updated information for the TC roster.

New Business

Mike Banish led the Town Hall meeting by soliciting opinions regarding the future of the TC with respect to the recent changes in the focus of NASA. Mike stated the primary rule of the meeting was ‘not to bemoan the demise of microgravity science’. Mike reviewed responses to his recent request for opinions to begin the dialogues during the Town Hall meeting. Some initiatives suggested include 1) review of the mission statement, 2) change the name of the TC, 3) change TC meeting site to Orlando – Space Exploration Conference. Mike reviewed the current mission statements and the ideas submitted from other TC members through the list-serve. Stephen Collicot suggested looking at NASA strategic focus areas. Kurt Sacksteder suggested reviewing Interim Report, to be released on February 24th to National Academy, may help the TC reevaluate its position in the science community. This material will provide more details about Strategic Plans and Roadmaps.

Dave Chato suggested TC name should include ‘Technology’ rather than or in addition to ‘Science’. Mickey King suggested the title ‘Low Gravity’ or ‘Reduced Gravity Systems’. Dick Delombard suggested the title ‘Reduced Gravity Systems and Science.’ Matthew Koss suggested members interested in science and basic research may consider forming a new TC. John Hochstein stated that the TC can continue to support both technology and science related activities. Mike Banish added that the TC can support both foci, but should operate with one voice. John Pojman suggested that a broad multidisciplinary mission provides a platform for interested researchers and helps to recruit and advertise to potential new members/researchers and is not just a political entity. David Urbar recommended that the TC should remain intact and encouraged members to continue to solicit support from primary financial agencies in the various areas in microgravity science, but he also noted that researchers must also adapt to changing opportunities.

Kurt Sacksteder recalled founding of TC which initially mirrored a division of NASA and essentially emerged from a single funding source. He suggested the microgravity community needed to adapt like other disciplines and other technical committees. He followed by stating that funding agencies and entities developing technologies will rely on work done by microgravity researchers.

Eleanor Aldridge from AIAA addressed TC to inform members of Space 2005, and Space Exploration Conference, Orlando. A discussion followed regarding the future of the Space Exploration Conference and its proximity on the calendar to the annual ASM conference.

Ron Schlagheck made a motion to form a temporary subcommittee tasked to gather better information about the direction of research activities, so the TC can make an informed decision and liaise with executive committee. The motion passed unanimously.

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Mike Banish made a motion to appoint Mike Fiske and John Hochstein to lead temporary subcommittee and work with executive subcommittee. The motion passed unanimously.

Mike Banish selected upcoming Reduced Gravity Conference on Exploration, April 4th-8th (TBD) for next teleconference and will update TC through list-serve.

Mike Banish summarized Town Hall meeting and requested that TC members provide input on TC mission statement.

Jeff Marchetta reviewed the action items.

Mike Banish thanked everyone present for attending and adjourned the meeting.

New or Continuing Open Action Items

Action Item	Description	Actionee	Status	PTOC	O/C
1/08.06.03	Publish summary article in AIAA	Koss	Extended PTOC	1/10/05	OPEN
1/09.01.04	Post all future meetings and conferences on MSPTC website.	Banish	In Progress	1/10/05	OPEN
1.01.11.05	Contact Mike Banish about participating in CVD	Banish	New	2/1/05	OPEN
2.01.11.05	Mickey King, Kurt Sacksteder, and Chuck Hayes find information for website to Interim Report to National Academy and report to TC	Banish	New	4/8/05	OPEN
3.01.11.05	Fred Kohl/Mike Fiske to report current BAA's to list-serve and John Hochstein will update website with a threaded message board if possible	Banish	New	4/8/05	OPEN
4.01.11.05	New temporary subcommittee will collect information on and report direction of microgravity activities	Banish	New	4/8/05	OPEN

Meeting Adjourned at 10:00pm. PT

Submitted by:
Jeff Marchetta, MSP TC Secretary

Attachments:

1. Attendance

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Attachment #1

Name and Affiliation	Member Since	Reno – Jan. 2005	Telecon – Sept 2004	Reno – Jan. 2004	Telecon – Nov. 2003	Telecon – Aug. 2003	Telecon – April 2003	Reno – Jan. 2003	Houston – Oct. 2002	Telecon – July 2002	Telecon – April 2002	Reno – Jan. 2002	KSC – Oct. 2001	Telecon – Sept. 2001	Telecon – April 2001	Reno – Jan. 2001	Telecon – Sept. 2000	Vancouver – May. 2000	Telecon – March 2000	Reno – Jan. 2000	Telecon – Sept. 1999	Cleveland – May 1999	Telecon – March 1999	Reno – Jan. 1999	
Basil Antar – U. of Tenn	87		x		x					x							x				x		x	x	
Michael Banish – U. of Alabama	99	x	x	x	x	x	x	x	x	x	x	x							x	x				x	
Karen Barker – Schafer Technology	99	x	x	x	x	x	x		x	x	x		x			x	x				x	x	x	x	
Richard Boling – SHOT	03		x	x	x		x	x																	
Bill Carswell – UAH	03		x																						
Catherin Casgrain – CSA	02		x	x	x	x	x		x		x														
James Casler – AI-ES Aero	00											x	x	x	x		x				x				
Dave Chato – NASA GRC	99	x		x		x	x	x	x	x	x	x		x	x				x	x	x				
Lai-Chen Chien – Academia Sinica	94	x		x				x	x			x				x					x				
Steven Collicott – Purdue U.	02	x		x		x	x	x		x	x														
Steve Del Basso – Boeing	01							x	x		x	x		x											
Larry DeLucas – U.A.B	96						x																		x
Michael Doherty – NASA GRC	98		x	x	x	x	x	x	x	x	x	x	x	x	x		x					x	x	x	x
Bonnie Dunbar – NASA JSC	04																								
Edwin Ethridge – NASA MSFC	97									x					x		x					x			x
Michael Fiske – Morgan Research	92	x				x							o		x					x	x	x	x	x	x
Richard Grugel – NASA MSFC	93	x		x	x	x			x		x				x		x				x			x	
Robert Gustafson – ORBITEC	96			x	x	x				x	x	x	x	x	x	x	x	x			x		x	x	x
Charles Hays – JPL	03	x		x	x		x	x																	
John Hochstein – U. Memphis	93	x	x	x		x	x	x	x	x	x	x			x	x	x		x	x	x	x	x	x	x
Merrill King – NASA HQ	94	x	x	o	x	x	x		x			x				x	x		x	x	x	x	x	x	x
Fred Kohl – NASA GRC	87	x	x	x			x	x	x	x	x	x	x		x	x	x		x	x	x	x	x	x	x

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Mathew Koss – Holy Cross	98	x	x	*	x	x	x	x		x	x					x	x	x			x			x
Jeffrey LaCombe – U. Nevada-Reno	01			x		x		x			x	x		x	x	x								
Afina Lupulescu – RPI	00		x	o	x		x	x	x	x	x	x	x	x			x			x				
Nancy Ma – N.C. State	02	x	x	o		x	x	x	x	x	x													
Jeff Marchetta – U. Memphis	00	x	x	x	x	x		x	x		x	x				x	x			x				
Brian Motil – NASA GRC	00			x	x		x	x	x	x	x		x		x	x	x		x					
Henry K. Nagra – NASA GRC	98	o		x	x		x	x	x		x	x	x		x	x	x		x	x	x	x		x
Aleksander Ostrogorsky – RPI	95	x					x	x		x	x	x				x			x	x			x	
Masood Parang – U. of Tenn.	91									x														x
John Pojman – U. Southern Miss.	98	x	x	x	x	x						x		x	x	x	x			x	x			
Kurt Sacksteder – NASA GRC	98	x	x	x	x	x	x	x	x		x	x		x	x	x	x			x			x	x
Ron Schlagheck – NASA MSFC	02	x	x	x	x	o	x	x	x	x														
Benjamin Simmons –U. Memphis	04	x	x	x																				
Ramachandra Srinivas – SSSI	98								x		x			x	x									
Liz Stagg – Teledyne Brown	03			x	x	x																		
Jose Torero – U of Edinburgh	98														x	x	x			x	x	x		x
Stephen Tse – Rutgers U.	01	x	x	x				x			x	x		x	x	x								

x -> attended meeting o -> a representative attended meeting * -> was to be tied in via telecon (credited with attending meeting)

Guests: Juan H. Agui, Stephen Barsi, Raymond Clinton, Marcus Dejmek, Richard Delombard, Uday Hegde, Masami Nakagawa, Louise Strutzenberg, George Tuan, Sam Toutanji, David Urban