

# AIAA Microgravity and Space Processes Technical Committee Meeting Minutes

October 17, 2006

Telecon Meeting Opened 12:00PM ET

## Welcome and Introductions

Mike Banish, MSPTC Chairperson welcomed everyone to the meeting. The members introduced themselves (attachment #1). No old business was discussed.

## Review of Old Action Items

Action Items were not reviewed.

## Subcommittee Reports

### Executive – Sacksteder

No new information was reported. Kurt Sacksteder was formally inaugurated as the new TC Chair and led the meeting.

### Awards – Sacksteder

Kurt Sacksteder reported that the subcommittee and TC selected Dr. Paul Concus for the Space Processing Award. His nomination package was forwarded to AIAA. Selection criteria need to be amended to include a minimum score below which no award will be made. Two years of best paper and presentation awards need to be selected.

### Publications – Gustafson

No new information was reported.

### Education and Outreach – Schlagheck

No new information was reported.

### Conference and Meetings – Tse

Kurt Sacksteder reported on behalf on Stephen Tse: 53 papers in 7 sessions for the 2007 symposium. Four sessions will be traditional sessions: materials science, fluid physics, fluid thermal systems, and combustion. The new Symposium title Gravity-Dependent Phenomena in Space Exploration Research and Technology.

### Congressional Liaison– Lupulescu

No new information was reported.

### Government Liaison – Barker

No new information was reported.

### TC Liaison – Nahra

No new information was reported.

### Nominations and Elections – Nahra

Kurt Sacksteder reported that a new Vice-Chair will need to be elected. Also, the Awards subcommittee chair position needs to be filled. Subcommittee chairs will be contacted to determine whether they will continue chairing their subcommittees.

### Membership – Ma

Nancy Ma reported the membership list needs to be reviewed and get updated. Nancy will cross-check meeting meetings and list-serve addresses. Members will be solicited to determine whether they are still interested in participating in the TC.

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October 17, 2006

### New Business

Kurt solicited members to provide items which need to be discussed in the Year In Review (YIR), which is due in November. Kurt Sacksteder, Fred Kohl, and Dave Chato will coordinate the Year In Review. Suggested content items for the YIR report: content of the Reno symposium, current content of the NASA sponsored research program related to the physical (microgravity) sciences, current content of the NASA program in technology development in which gravity dependent phenomena play a role, any significant individual achievements by the "microgravity sciences" community.

Dave Chato discussed the status of the TC name change. Dave reported results of Microgravity name change poll as follows:

Five responses received:

One vote	Reduced Gravity Sciences and Systems
One vote	Reduced Gravity Processes and Science
One vote	Reduced Gravity Effects on Space Exploration
Two votes	Gravity-Dependant Science and Technology

It was agreed that a two tier voting system will employed during the Reno meeting to finalize the TC name.

The TC also discussed the Annual Review. The purpose and content of the annual report that has been published in hard copy by AIAA, Shot, then UAH. David Chato will lay out a new report for comment by the TC. Perhaps the report will be posted on the TC website at University of Memphis.

Agenda items for the Reno meeting were discussed:

- Selection of some new officers and sub-committee chairs: Vice-chair/Chair elect, Awards Subcommittee chair.  
Additional subcommittee chairs may be needed depending on the availability of Ron Schlagheck (education and outreach), Bob Gustafson (publications), Afina Lupulescu (Congressional Liaison), Henry Nahra (Nominations and Elections)(TC Liaison)
- Modification of the Space Processing Award Criteria to include minimum award score
- Adoption of a new name for the TC
- Consideration of a new description scope, etc. for the TC

**AIAA Microgravity and Space Processes Technical Committee Meeting Minutes**

**October 17, 2006**

**Current Action Items**

<b>Action Item</b>	<b>Description</b>	<b>Actionee</b>	<b>Status</b>	<b>PTOC</b>	<b>O/C</b>
1.08.06.03	Publish summary article in AIAA	Koss	In progress	1/07	OPEN
1.09.01.04	Post all future meetings and conferences on MSPTC website.	Banish	In progress		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	In progress	9/06	OPEN
4.01.11.05	Dave Chato will lead temporary subcommittee and make a recommendation regarding mission statement and TC name	Banish	In progress	9/06	OPEN
1.06.17.05	Please submit best paper and best presentation nominations to Kurt for the Reno 2005 symposium. Also need more nominations for the Space Processing Award	Kohl	In progress	9/06	OPEN
2.06.17.05	Mike Banish will send an e-mail to solicit new candidates to the TC from areas not currently represented	Banish	In progress	9/06	OPEN
1.10.21.05	Mike Banish will contact Eleanor Aldridge regarding Space Processing Award presentations and specifically future of Reno conference	Banish	In progress	1/07	OPEN
1.10.17.06	Nancy Ma will cross-check membership and update list. She will contact all members to assess interest	Sacksteder	In Progress	1/07	OPEN

Meeting Adjourned at 1:00 pm. ET

Submitted by:  
Jeff Marchetta, MSPTC Secretary

**Attachments:**

1. Attendance

**AIAA Microgravity and Space Processes Technical Committee Meeting Minutes**

**October 17, 2006**

**Attachment #1**

Name and Affiliation	Member Since	Telecon – October 2006	Telecon – March 2006	Reno – Jan. 2006	Telecon – Oct 2005	Telecon – June 2005	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				x		x	x
Michael Banish – U. of Alabama	99	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x							x	x			x		
Karen Barker – Lockheed-Martin	99	x	x	x		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 – Cherokee Nat. Ind.	03							x																						
Catherin Casgrain - CSA	02	x		o				x	x	x	x	x		x		x														
James Casler – Veridian	00																x	x	x	x						x				
Dave Chato – NASA GRC	99	x	x	x		x	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	x		x	x														
Steve Del Basso – Boeing	01												x	x		x	x		x											
Larry DeLucas – U. of Alabama	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	x
Bonnie Dunbar – NASA JSC	04																													
Edwin Ethridge – NASA MSFC	97			x											x					x							x			x
Michael Fiske – Morgan Research	92				x		x				x							o		x					x	x	x	x	x	
Richard Grugel – NASA MSFC	93	x	x	x		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	
Charles Hays – JPL	03			x			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	x	x	x	x
Merrill King – NASA HQ	94					x	x	x	o	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	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	x			o	x		x	x	x	x	x	x	x	x			x			x				
Nancy Ma – N.C. State	02	x	x			x	x	x	o		x	x	x	x	x	x													
Jeff Marchetta – U. Memphis	00	x	x	x	o	x	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					
Henry K. Nahra – NASA GRC	98		x	x	x		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			x	x			
Kurt Sacksteder – NASA GRC	98	x	x	x	x	x	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	x	x	o	x	x	x	x														
Benjamin Simmons –U. Memphis	04								x	x																			
Srini Srinivas – SSSI	98													x		x				x	x								
Liz Stagg – Teledyne Brown	03				x	x	x		x	x	x																		
Jose Torero – U. of Maryland	98																				x	x	x			x	x	x	
Stephen Tse – Rutgers U.	01	x	x	x					x	x			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:**