

AIAA Microgravity and Space Processes Technical Committee Meeting Minutes
Telecon
April 17, 2002

Welcome

The agenda is included as attachment 1. The MSPTC meeting was held via telecon on April 17, 2002. Attendance was good, with 2/3 of the active members present (attachment 2). Chairperson, Henry Nahra, welcomed all present and introduced three invited guests, asking them to each give a brief background. The guests were:

Steven H. Collicott, Associate Professor at Purdue University, School of Aeronautics and Astronautics. Interests include industrial work associated with low-gravity fluids such as spacecraft propellant control and gauging as well as microgravity fluids research with NASA.

Nancy Ma, Assistant Professor at NC State, Mechanical and Aerospace. Interests include modeling in semiconductor crystal growth. Currently researching crystal growth in microgravity.

Catherine Casgrain, Canadian Space Agency, Acting manager of the Microgravity Science Program. Background is in material science in microgravity.

Review of Old Action Items

Brian Motil reviewed the status of action items from the January 14, 2002 meeting in Reno. The table below summarizes the review.

Action Item	Description	Actionee	Status	PTOC	O/C
1/9.05.01/	Contact GRC legal counsel and exact a once-and-for-all ruling on federal employee participation in CVD and formal letter writing activities, that would serve as a guideline to government employee committee members in the future.	Sacksteder	No response from legal counsel to date. Obtain status.	3/15/02 10/5/01	OPEN
4/01.14.01/	Identify people or groups to target during CVD. Also, Email thoughts on a position paper.	Barker, Lupulescu	Dr. Afina Lupulescu as new chair of Congressional Liaison subcommittee assumes responsibility.	3/1/02 12/31/01	OPEN CLOSED
1/01.14.02/	Contact potential CSA representative, John Marrone, for membership commitment or referral.	Nahra	Complete. Contacted Catherine Casgrain who agreed to be the CSA rep. On the committee	3/15/02	OPEN CLOSED
2/01.14.02/	Develop subcommittee mission/vision statement.	Subcomm. Chairs	Afina Lupulescu and Karen Barker need to complete	1/31/02	OPEN
3/01.14.02/	All members to re-evaluate subcommittee memberships and activities. Identify and contact the subcommittee chair that you want to participate in.	All	Still need info from: - Congressional Lia. - Commercial - Ed. & Outreach - Conf. & Mtgs	2/15/02	OPEN
4/01.14.02/	Report updated subcommittee memberships to Diane Linne.	Subcomm. Chairs		2/28/02	OPEN

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Action Item	Description	Actionee	Status	PTOC	O/C
5/01.14.02/	Develop trial 2002 year end newsletter.	Ramachandran		12/01/02	OPEN
6/01.14.02/	Check with Ground Test TC on year-end newsletter publication cost and process.	Linne	New AI assigned to Nahra to obtain budget from AIAA	3/31/02	OPEN CLOSED
7/01.14.02/	Contact Mark Nall of the NASA Space Product Development Program Office for Commercial Space Centers	Ramachandran		2/28/02	OPEN CLOSED
8/01.14.02/	Submit nominations for vice chair to current chair for April vote.	All	Extended PTOC	2/28/02 5/1/02	OPEN
9/01.14.02/	Submit mission statement for Microgravity Environment subcommittee to chair and vice chair for further consideration.	Del Basso		2/28/02	OPEN CLOSED
10/01.14.02/	Establish process to award undergraduate and master level graduate students the modest TC funding to support their participation. Coordinate with the Awards subcommittee.	Ostrogorsky	Extended PTOC	3/31/02 5/31/02	OPEN
11/01.14.02/	Draft congressional advocacy letter to support microgravity science research and submit to Publications and Congressional Liaison Subcommittees.	Banish		2/15/02	OPEN CLOSED
12/01.14.02/	Review membership participation and contact inactive members to see if they want to continue or withdraw from the committee.	Nahra & Linne	Contacted members. We have now new membership list.	3/31/02	OPEN CLOSED
13/01.14.02/	Contact Peter Gabriel of the AIAA to assure that the Space Processing Award standards are clearly maintained on the AIAA web site.	Sacksteder	Extended PTOC	2/15/02 5/1/02	OPEN

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Subcommittee Reports

Executive – Nahra

Some subcommittees have not submitted their mission/vision statements and this is reflected in the status of action item, 2/01.14.02. Please submit these as soon as possible. Henry also reiterated the need to fill the vice-chair position. Nominations are requested within the next several weeks.

- Full report: attachment 3

Education and Outreach – Ostrogorsky

Alex is trying to set up a visitors room for their flight experiment and would like to find a source of funding. It was suggested he talks to Fred Kohl.

Publication – Gustafson

The position letter to Mr. Sean O’Keefe regarding the reductions in funding for research in microgravity physical sciences was approved and sent out. This letter was a model for submitting letters of this type with civil servants involved and the MSPTC will continue with this approach pending any objections or better ideas. Fred Kohl asked if anyone was copied on this letter and Bob indicated that he had not done so. A motion was passed to send copies to specific members in congressional involved in space and science appropriations. Karen Barker will provide a mailing list to Bob Gustafson. It was also mentioned that the letter was read by ReMaP committee members.

Ram discussed the 2002 year-end newsletter (ref. AI 5/01.14.02). He would like to include a mission statement and membership details that Diane Linne has compiled as well as news on research and current activities. He would like members to forward candidate news items by the first of June. Ram will provide a draft by the next MSPTC meeting.

AI#1 – Henry will check into AIAA budget to fund the newsletter.

- Full report: attachment 4

Membership – Linne

We now have 33 members (attachment 2), which includes one international member and one associate member. Gordan Bakken, George Dulikravich, and Eric Rice have been moved to the alumni member list. Jerry Sanders, James Tien and Dale Watring have been moved to the past members list. The difference between alumni and past members is the alumni have requested to remain on the email distribution list and be informed of MSPTC activities.

Congressional Liaison – Lupulescu

Afina reported on CVD activities. The first day included listening to a talk by congressman Bob Walker (the chair of the US Aerospace Industry Commission). The message given by the congressman was that the quality of science being conducted on ISS is of very good quality and everything is in good shape. He addressed the future of microgravity research as if there are no concerns or issues. The report is on the web and available for feedback and inputs. It was requested that this website be forwarded to MSPTC members. Karen Barker provided more details on the Walker report which is very high level and due out in September. The committee has not had much input from the microgravity community. They are receiving inputs from any interested parties.

On the second day, the team met with the NY congress and senators and handed letters from researchers and industry. Afina will write follow-up letters to congress.

AI#2 – Karen will provide the website to MSPTC members.

- Full report: attachment 5

Technical Committee Liaison – Doherty

Mike referred to the full report given in attachment 6 and took one action item.

AI#3 – Mike Doherty will email to the list server the info about the ICES sessions and authors.

- Full report: attachment 6

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Commercial – Barker

No report. Olav Smistad expressed an interest in serving on the commercial committee.

Awards – Kohl/Sacksteder

Kurt Sacksteder requested nominations for best paper and presentation from the Reno conference be submitted to him a.s.a.p.

AI#4 – Submit nominations for best paper and presentation (all).

- Full report: attachment 7

Nomination and Election – Nahra

Henry reiterated that we need nominations for a vice-chair.

Conferences and Meetings – Chato/Ramachandran

Dave Chato reviewed sessions and chairs currently planned. He still needs to fill many of the chair positions. Mathew Koss expressed an interest in forming an education and outreach session, perhaps for this conference only and all papers would be invited. Ram suggested Matt use the session on new directions in microgravity, since it may not be used.

- Full report on the 2003 Microgravity and Space Processing Symposium: attachment 8

New Business

Ram discussed a paper presented at the ISRU conference that was accepted as an abstract, but was very unacceptable in that it discussed UFOs, government conspiracies, etc. There was much discussion, with the final conclusion that there is really not much control we have over the content of a paper once we accept the abstract.

Steve Del Basso reported on the action item 9/1.14.02 related to submitting a mission statement for a potential Microgravity Environment Technical Subcommittee that would serve as a centralized source for microgravity environment definitions. It would facilitate and improve microgravity payload and platform development and environment utilization. The goals would be to develop and document analytical and measurements and standards for the entire international community. Such a subcommittee would create and maintain a database of relevant microgravity environmental informational references. The full mission statement will be added to the list server and the website for comprehensive debate.

AI#5 – Add mission statement to the list server and website for debate. (Attachment 9)

Process for student award – Alex Ostrogorsky is working this.

Henry Nahra suggested a July telecon. He will determine a date and notify the members. It will be some time in July. The annual meeting site needs to be determined as well. Possible sites are Houston and Cleveland.

Mike Doherty suggested that each individual send highlights prior to each MSPTC meeting. A motion was passed to have the chair include a reminder notice prior to the meeting. Some highlights may be incorporated in the newsletter.

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Action Item Review

Action Item	Description	Actionee	Status	PTOC	O/C
1/4.17.02	Check on AIAA budget for year-end newsletter publication. future.	Nahra		6/1/02	OPEN
2/4.17.02	Email to list server the website for the Walker report.	Barker		5/1/02	OPEN
3/4.17.02	Mike Doherty will email to the list server the info about the ICES sessions and authors.	Doherty			CLOSED
4/4.17.02	Submit nominations for best author and presentation to Kurt Sacksteder	All		5/1/02	OPEN
5/4.17.02	Add new subcommittee mission statement provided by Steve Del Basso for review and comment.	Nahra		5/1/02	OPEN
6/4.17.02	Determine date and location for annual meeting.	Nahra		6/1/02	OPEN
<i>Former Action Items still open</i>					
1/9.05.01/	Contact GRC legal counsel and exact a once-and-for-all ruling on federal employee participation in CVD and formal letter writing activities, that would serve as a guideline to government employee committee members in the future.	Sacksteder	No response from legal counsel to date. Obtain status.	3/15/02 10/5/01	OPEN
2/01.14.02/	Develop subcommittee mission/vision statement.	Subcomm. Chairs	Afina Lupulescu and Karen Barker need to complete	1/31/02	OPEN
3/01.14.02/	All members to re-evaluate subcommittee memberships and activities. Identify and contact the subcommittee chair that you want to participate in.	All	Still need info from: - Congressional Lia. - Commercial - Ed. & Outreach - Conf. & Mtgs	2/15/02	OPEN
4/01.14.02/	Report updated subcommittee memberships to Diane Linne.	Subcomm. Chairs		2/28/02	OPEN
5/01.14.02/	Develop trial 2002 year end newsletter.	Ramachandran		12/01/02	OPEN
8/01.14.02/	Submit nominations for vice chair to current chair for April vote.	All	Extended PTOC	2/28/02 5/1/02	OPEN
10/01.14.02/	Establish process to award undergraduate and master level graduate students the modest TC funding to support their participation. Coordinate with the Awards subcommittee.	Ostrogorsky	Extended PTOC	3/31/02 5/31/02	OPEN

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Submitted by:
Brian Motil, MSPTC Secretary

Attachments:

1. Agenda
2. Attendance
3. Executive Subcommittee Report
4. Publications Subcommittee Report
5. Congressional Liaison Subcommittee Report
6. TC Liaison Subcommittee Report
7. Awards Subcommittee Report
8. Status of Microgravity and Space Processing Symposium (2003).
9. Microgravity Environment Subcommittee Mission Statement

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Attachment #1

**AIAA Microgravity and Space Processes Technical
Committee-MSPTC
Agenda-April 17, 2002 Teleconference**

Wednesday, April 17, 2002

Time	Activity	Participant(s)/Presenter
11:00-11:05	<i>Welcome, Introduction of Guests interested in joining the committee</i>	Nahra
11:05-11:15	<i>Review of Old Action Items</i>	Brian Motil
11:15-11:45	<i>Issues with Subcommittee Reports</i>	
3 min	Executive	Nahra
3 min	Education and Outreach	Ostrogorsky
3 min	Publication	Gustafson
3 min	Membership	Diane Linne
3 min	Congressional Liaison	A. Lupulescu
3 min	TC Liaison	Doherty
3 min	Commercial	Barker
3 min	Awards	Sacksteder
3 min	Nomination and Election	Gustafson/Nahra
3 min	Conferences and Meetings	Chato/Ram
11:45-12:15	<i>New Business</i>	Nahra
	-New Ideas for the MSSP symposium	Chato
	-Prioritization Activities at NASA HQ, ReMAP	All
	-Issue with Paper AIAA 2002-1131 written by Theodore Loder III/University of New Hampshire and titled "Outside the Box Space and Terrestrial Transportation and Energy technologies for the 21 st Century"	Ram
	-Technical subcommittees/working groups	
	-Microgravity Environment	All
	-Process for student award	Ostrogorsky
	-Future meetings/telecons	All
12:15-12:30	<i>Action Item Review</i>	Brian Motil
12:30	Adjourn	

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Attachment #2

Attendance List

Name and Affiliation	Member Since	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	Telecon – Nov 1998	Cleveland – Aug 1998	Washington – Mar 1998	Reno – Jan 1998	Madison – Aug 1997	Wash D.C. – Mar 1997	Reno – Jan 1997	MSFC – Sept 1996	KSC – April 1996	Reno – Jan 1996	Huntsville – Sep 1995	Cleveland – Apr 1995	Reno – Jan 1995	
Basil Antar – U. of Tenn	87							x				x		x	x	x			x			x	x		x	x			x
Michael Banish – U. of A., Huntsville	99	x	x							x	x			x															
Karen Barker – Lockheed-Martin	99	x		x			x	x				x	x	x	x														
James Casler – Veridian	00		x	x	x	x		x			x																		
Dave Chato – NASA GRC	99	x	x		x	x				x	x	x																	
Lai-Chen Chien – Academia Sinica	94		x				x				x															x			
Steve Del Basso – Boeing	01	x	x		x																								
Larry DeLucas – U.A.B.	96														x							x	x			x			
Michael Doherty – NASA GRC	98	x	x	x	x	x		x				x	x	x	x	x	x												
Edwin Ethridge – NASA MSFC	97					x		x				x			x	x				x									
Michael Fiske – Morgan Research	92			*		x					x	x	x	x	x				x			x	x		x	x	x		
Richard Grugel – NASA MSFC	93	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	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
Merrill King – NASA HQ	94		x				x	x		x	x	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	x	x
Mathew Koss – Holy Cross U.	98	x						x	x	x		x			x		x												

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Name and Affiliation	Member Since	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	Telecon – Nov 1998	Cleveland – Aug 1998	Washington – Mar 1998	Reno – Jan 1998	Madison – Aug 1997	Wash D.C. – Mar 1997	Reno – Jan 1997	MSFC – Sept 1996	KSC – April 1996	Reno – Jan 1996	Huntsville – Sep 1995	Cleveland – Apr 1995	Reno – Jan 1995	
Jeffrey LaCombe – U. Nevada-Reno	01	x	x		x	x	x																						
Diane Linne – NASA GRC	96	x	x		x		x	x		x	x	x	x	x	x	x	x		x	x			x						
Afina Lupulescu – RPI	00	x	x	x	x			x			x																		
Jeff Marchetta – U. Memphis	00	x	x				x	x			x																		
Brian Motil – NASA GRC	00	x		x		x	x	x		x																			
Henry K. Nahra – NASA GRC	98	x	x	x		x	x	x		x	x	x	x		x	x	x												
Aleksander Ostrogorsky – UAH	95	x	x				x			x	x			x				x			x			x					
Masood Parang – U. of Tenn	91														x				x						x				
John Pojman – U. Southern Miss.	98		x		x	x	x	x			x	x							x										
Narayanan Ramachandran – USRA	97	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												
Olav Smistad	01	x	x	x		x	x																						
Srini Srinivas – SSSI	98	x			x	x										x													
Jose Torero – U. of Maryland	98					x	x	x			x	x	x		x		x	x											
Stephen Tse – Rutgers U.	01	x	x		x	x	x																						
John Williams – Morgan Research	86											x		x									x	x	x	x	x	x	x

x -> attended meeting
* -> a representative attended meeting

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Attachment #3

Executive Subcommittee Report

The executive subcommittee report is brief. As one of the action items that was generated during the Reno Meeting, I asked the subcommittee chairs to generate a mission/vision statement for their subcommittee and to check with the respective members about their interests in continuing on the different subcommittees. The response is what I have in the attachment. Unfortunately, three subcommittee chairs responded. The remaining statements are written by me and were and still are subject to comments and changes.

Regarding the Nomination and Election subcommittee, we are still looking for a Vice-Chair for the MSPTC. Feel free to send me nominations. If you are interested in the work, please contact me ASAP. Thank you.

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Attachment #4

Publications Subcommittee Report

The major activity of the Publications Subcommittee since the last meeting was creating the position letter to Mr. O'Keefe. I would like to thank everyone who was involved in creating this letter. A lot of time and thought was put into this letter. The final version of the letter is attached for your reference.

The letter was approved by the MSPTC. It received 19 yes votes and 2 no votes. There were some suggestions that we do more with the letter than simply send it in the mail (for example, deliver it in person or have AIAA send it as an official position letter). I would like to discuss some of these options during the telecon on Wednesday. At a minimum, it will be still be sent to Mr. O'Keefe as an official position letter from the MSPTC.

Sincerely,

Bob Gustafson
Publications Subcommittee Chair

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Attachment #5

Congressional Liaison Subcommittee Report

The CVD activity had the following course of action:

*These were the people going to CVD representing the TC for Microgravity:

1. Aleksandr Ostrogorski
2. Michael Banish
3. Karen Barker
4. Afina Lupulescu

*Alex Ostrogorski, because his previous experience, was in charge with organizing the Congressional/Senatorial Meetings for NY team. They were as follows:

*CVD Schedule for NY team:

10:00 AM Senator Charles Schumer: 202 224-6542

11:00 AM Senator Hillary Rodham Clinton: 202 224-4451

11:45 AM Congressman McNulty: 202 225-5076

1:00 PM Congressman Maurice Hinchey (Diana Miller): 202 225-6335; 2431 Ray... Bldg.

2:00 PM Congressman Felix Grucci from Long Island : 202 225-3826

NY team was composed of:

1. Aleksandar Ostrogorsky 518-276-6975; Congressman is McNulty
2. Afina Lupulescu 518-276-2023; Congressman is McNulty
3. Rick Mullikin 631-471-7037; Congressman is Felix Grucci from Long Island
4. Raymond Goskowski 607-723-7256; Congressman is Maurice Hinchey from
Binghamton, NY

*As regarding Mike Banish he was part of Alabama team. I do know that Alabama team met with 7 congressmen and senators.

*The meetings were 15 minutes long meetings with representatives. General subjects of work force, technological readiness, ISS issue were discussed. For NY team the subject of RPI affected by ISS budget cut were raised. We also had prepared envelopes comprising letters from Academia, Industry, & PI directly affected by NASA budget cut. We were promised that action would be taken. Follow-up letters would be shortly composed.

PS. Mike Banish will complete on the Alabama team report. Thanks Mike!

Regards,
Afina

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Attachment #6

TC Liaison Subcommittee Report

Summary of activities of the Microgravity and Space Processes Technical Committee's TC Liaison Subcommittee since the January 2002 Reno Meeting:

***ICES Manuscripts Received for Review.** In support of the **Plant Flight Hardware: Fluid Management Technologies and Applications** session of the upcoming 32nd International Conference on Environmental Systems (ICES) to be held in San Antonio, Texas, USA, July 15-18, 2002, the TC Liaison Subcommittee is coordinating a review of 4 of the 9 manuscripts submitted. These manuscripts are being reviewed and will be returned with comments to each author prior to finalization of each paper.

The subject session is jointly organized by the AIAA Life Science and Systems TC and the MSPTC.

Mike

Attachment #7

Awards Subcommittee Report

The Awards Subcommittee completed the effort to present the Space Processing Award, the Best Paper Award and the Best Presentation Award at the 40th Aerospace Sciences Meeting in Reno in January, 2002.

We have received 3 nominations for the best paper award from the 2002 Reno symposium. The papers are from the following sessions:

#7 Fluid Physics,

#1, Physical Sciences in the Era of the International Space Station, and

#6, Microgravity Environment.

Session 2 chairs agreed to not nominate any of the invited papers. The chairs of the other sessions are asked to nominate candidates for best papers.

We have received 6 nominations for Best Presentation. The presentations are from the following sessions:

#4, ISRU for Future Missions

#11, Space Exploration Bases, Colonization and Terraforming

#1, Physical Sciences in the Era of the International Space Station

#6, Microgravity Environment

#7, Fluid Physics, and

#13, Combustion.

The Chairs of the other sessions are asked to nominate candidates for best presentation.

We have more than a year to produce nominations for the next recipient of the Space Processing Award. At the Reno meeting, the MSPTC approved an award selection criteria to be used in future competitions. The criteria is as follows:

Microgravity Science and Space Processing Technical Committee
Space Processing Technical Award
Evaluation Criteria and Scoring System
Approved by the MSPTC on January 14, 2002

Background

The AIAA Space Processing Technical Award (Space Processing Award) is presented for significant contributions in space processing or in furthering the use of microgravity for space processing. This award is presented biennially (in even-numbered years) at the AIAA Aerospace Sciences Meeting and Exhibit.

Simply by virtue of his or her nomination, each candidate is recognized as an outstanding contributor to Microgravity Sciences and Space Processing. The selection process has the purpose of selecting the most qualified from an exemplary group.

Criteria

The following four items are to be used in evaluating each candidate for the award. The sub-elements to each criterion are to be considered examples; substantial alternatives may be used. The percentage in parentheses is the weight of that criterion in the total evaluation of the candidate.

I. Personal Impact or Accomplishments (40%)

- Contributions to understanding: scientific or technological (egs. publications, awards, patents, etc.)

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- Contributions to commercialization of microgravity science or space processing
- Contributions to microgravity science or space processing test beds.
- Contributions to government, industry or academic support for space processing

II. Leadership (40%)

- Magnitude of the effort or size of organization that was led

- Numbers and placement of students supervised in microgravity science or space processing research or technology development
- Establishment of a new scientific, technological or programmatic direction that has attracted a competitive following
- Advocacy of scientific rigor in microgravity science or space processing experiments

III. Dedication or Commitment to Service and Support (10%)

- Extensive, detailed work

- Long hours, perseverance
- Drive to see his/her vision fulfilled

IV. Number of Service Years in Microgravity and/ or Space Processing (10%)

Committee members are encouraged to begin identifying new candidates for this prestigious award to be presented at the AIAA 42nd Aerospace Sciences Meeting in 2004.

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Attachment #8

Status of Microgravity and Space Processing Symposium (2003)

Status of 2003 Microgravity and Space Processing Symposium

Abstracts are Due May 3,2002

Sessions planned so far

SessionChair

PlenaryHenry Nahra

New Directions in Microgravity?

Fluids IMohamed Kassimi

Fluids II?

Computational ModelingJohn Hochstein

Microgravity EnvironmentRichard Delombard

Materials IAFina Lupulescu

Materials II?

Combustion I?

Combustion II?

Young Professionals and Education?

If you would like to chair a session please contact me within the next week or two. If you have an idea for a special session and are willing to round up papers contact me also. Write abstracts and turn them in. Encourage your colleagues to do the same.

Issues:

NASA HQ still has funds to support some conferences, but they are much reduced from last year and microgravity research is undergoing a major review of priorities. How much support we can get for our symposium remains to be determined.

The thermophysics group has also called for microgravity papers. I have not heard back from them on our offer to co-host their session.

Although we have had in-situ resources and space exploration sessions in the past these are now under the jurisdiction of another committee. If we get enough papers on these topics I will organize some sessions, but I am not planning to actively recruit any.

David J. Chato NASA Glenn Research Center

Attachment #9

Potential Microgravity Environment Subcommittee Mission Statement and Goals

MISSION:

Serve as a centralized source for microgravity environment definition to facilitate and improve microgravity payload and platform development and environment utilization.

GOALS:

- (1) Develop and document analytical and measurement standards for microgravity environment definition to provide the international community a common reference for assessment and comparison evaluations.
- (2) Assemble and maintain a database of relevant microgravity environment information references from isolation technologies through measured data.
- (3) Catalog successes/issues toward establishment of a position on environmental and technological needs/direction.