

## **Record of emails to HiLiftPW2 distribution list**

(in reverse chronological order)

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### **Email to Participants dated July 2, 2013**

Subject: HiLiftPW-2 wrap-up

A big thank you to all who attended the workshop... it was a great success!

Participants: most participant talks have been posted to the website: <http://hiliftpw.larc.nasa.gov/Workshop2/agenda.html>. We are still missing one talk (from Next Limit), and we need to hear from another (ANSYS) regarding approval. Otherwise, all are there.

Several participant grids are now available from the grids download site. These grids are NOT being checked; they are posted as-is. No guarantees. Contact the grid creators directly for more information.

Independently, the deadline for corrections to submitted data (if needed) is September 15. If we don't hear from you by that date, we will use the data already in hand.

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### **Email to Participants dated June 18, 2013**

Subject: HiLiftPW-2 problem in Committee C-grid for Case 2

A "kink" was just discovered in the C-grid supplied for Case 2 (i.e., with brackets). The trailing edge of the outboard main element is not squared-off properly, but has a small unintended extraneous extrusion. The influence of this extrusion is not known. This problem will be corrected after the workshop.

Workshop starts in a few days. We look forward to seeing everyone in San Diego!

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### **Email to Participants dated June 11, 2013**

Subject: HiLiftPW-2 final agenda

The final agenda for HiLiftPW-2 is now set. See:

<http://hiliftpw.larc.nasa.gov/Workshop2/agenda.html>

Don't forget to register for the workshop! Space may be limited.

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## Email to Participants dated June 3, 2013

Subject: HiLiftPW-2

Dear Participant,

A tentative workshop schedule was posted on the [hiliftpw.larc.nasa.gov](http://hiliftpw.larc.nasa.gov) website last month. Due to a few cancellations, the times and some details will be modified prior to the workshop. However, the posted schedule should give speakers an approximate idea of their time slot.

For participant talk, you will have a maximum of 20 minutes, which includes time for Q&A. Please plan to strictly adhere to this time limit. In other words, you should time your talk to last approximately 15 minutes, which leaves 5 minutes for questions and discussion. Remember, everyone will be speaking about the same configuration, so you will not need to show or discuss the geometry or the committee-supplied grids. If you created your own grids, please include a description of their unique characteristics. The focus of your presentation should be on a description of your method, a summary of your CFD results, and particularly on anything unique or interesting that you learned or discovered.

Please bring your talk (.ppt or .pdf) on a memory stick or CD to the workshop. You will need to give it to us prior to your talk. If you choose to email it to us, please do so PRIOR to June 21. Note that we plan to post all talks to the HiLiftPW website, so be sure to obtain necessary approvals.

Remember that you will have an opportunity after the workshop to update your submitted data if you so desire, for inclusion in the summary paper planned for a later AIAA conference.

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## Email to Participants dated May 28, 2013

Subject: Opportunities for HiLiftPW-2 AIAA papers – again

Dear HiLiftPW2 Participants,

We have just received notice from AIAA that there is now a hard deadline to determine special session papers for upcoming AIAA meetings, due to changes in their on-line system.

Therefore, the deadline to answer the following questions has been moved forward to May 29. (If you have already sent in your response, there is no need to send again.) We apologize for the rush.

1. Are you interested in presenting an AIAA paper on your HiLiftPW-2 work?
2. If the answer to 1 is "yes", please tell us which AIAA conference you can present at: January 2014 or June 2014 (or "either" if you have no preference).

You MUST tell us prior to May 29. Spots are limited for the special sessions, so there are no guarantees that we can accommodate everyone.

Here is the list of responses we have received to date:

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Balakrishnan (IISc) - prefer June  
Duque (IL) - prefer June  
Cavallo (Craft) - prefer January  
Eliasson (FOI) - prefer January  
Lee-Rausch (NASA) - prefer June  
Balasubramanyam (ANSYS) - either  
Noelting (Exa) - prefer January  
Chitale (Colorado) - prefer January  
Holman (NextLimit) - prefer June  
Rudnik (DLR) - either  
Goldberg (Metacomp) - prefer January  
Sclafani (Boeing/NASA) - prefer June  
Moitra (Tata) - prefer June  
Murayama (JAXA) - prefer June  
Chen (CARDC) - prefer June

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**Email to Participants dated May 21, 2013**

Subject: Opportunities for HiLiftPW-2 AIAA papers

To all HiLiftPW-2 participants,

After past workshops, we have held special sessions at subsequent AIAA conferences, where workshop participants can write up their results as AIAA papers (and present at the conference). At this time it appears likely that we will have special High Lift sessions at both the January 2014 (Maryland) and the June 2014 (Atlanta) meetings.

To all participants in the upcoming HiLiftPW-2 workshop, please answer the following questions prior to June 5:

1. Are you interested in presenting an AIAA paper on your HiLiftPW-2 work?
2. If the answer to 1 is "yes", please tell us which AIAA conference you can present at: January 2014 or June 2014 (or "either" if you have no preference).

No abstract is necessary at this time; the committee will reserve the spots. However, you MUST tell us prior to June 5. Spots are limited for the special sessions, so there are no guarantees that we can accommodate everyone.

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**Email to Participants dated May 20, 2013**

Subject: Note about HiLiftPW-2 "D" fine grid

Dear HiLiftPW-2 Participants,

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First of all, a friendly reminder that today is the deadline for data file submissions. If you have not finished your runs, please submit what you have done to date. There will be opportunity after the workshop to finalize/correct/submit a final set.

Second, it was just discovered that the D fine grid was made with "incorrect" min spacing at walls. It should have been 0.00024, but it was mistakenly created with the medium grid spacing of 0.00037. This may not be too important, as the fine grid avg min  $y^+$  is still less than 1; but it could effect convergence order, since the fine grid is likely in a different "family". This inconsistency in wall spacing will be corrected in the future. We wanted to let you know, in case you used this grid and it affects your conclusions.

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### Email to Participants dated May 15, 2013

Subject: HiLiftPW-2 reminder

#### REGISTRATION:

To register for HiLiftPW-2, go to: <https://www.aiaa.org/SanDiego2013/>

Click on "Register Now"

The CFD High Lift Prediction Workshop appears under "Extra Tickets". Early bird price is \$250. This workshop registration fee is IN ADDITION to the fee for attending the AIAA conference. Early bird Deadline Date: 5/28/2013 (after this the fees go up).

Please contact AIAA if you have any questions about registration.

Details about hotel, travel, etc. can also be found from links on the AIAA site given above.

#### DEADLINE FOR DATA SUBMISSION:

Deadline for participants to submit [Data Submittal Forms](#) is **May 20**. We will be unable to include late data submissions in the Committee summary to be given at the workshop.

Therefore, as noted in earlier emails, participants are encouraged to submit incomplete data forms by the deadline as opposed to being late. Time will be granted after the workshop to fill in or correct any missing data (for the official summary, to appear in a later paper).

#### SPEAKERS:

Tentative workshop agenda is given at: <http://hiliftpw.larc.nasa.gov/Workshop2/agenda.html>

We have had one withdrawal to date (8:40am-9:00am Saturday slot), so the agenda will no doubt be adjusted in the coming weeks. If you are listed on the agenda, then you are expected to attend and to speak (or find a proxy speaker)! **Please let us know immediately if your plans change and you are unable to attend.** Speakers will talk about their method and results, especially anything noteworthy, unique, or interesting that they learned during the course of their investigation. These are *not* official AIAA-type presentations, and there are no written papers associated with this workshop. We will collect all presentation files and will post them to the website, so be sure to get approval and do not include any proprietary information. One of our main goals is to share and to learn from one another about CFD for high lift.

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### **Email to Participants dated May 10, 2013**

Subject: HiLiftPW2 deadline for submissions

If you are a HiLiftPW2 participant, the deadline for submitting your Data Submittal Forms is May 20. We understand that this workshop is asking for a lot of information, but nonetheless the May 20 date is a firm deadline (due to approval processes that we must go through) for your information to make it into the Committee summary to be given at the workshop.

Therefore please be sure to send us as much collected data as you have by May 20. You will be given an opportunity to correct or fill out any missing data afterward (for the official summary, to appear in a later paper).

If you do not remember how to upload to our ftp server, please contact us for instructions.

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### **Email to Participants dated May 4, 2013**

Subject: More HiLiftPW2 grids available

The committee-supplied C-family unstructured FINE grid by Pointwise is now available for Case 1 (AFLR3 format).

Also, a set of grids (created by ANSA v14.1.0 in CGNS format) have been supplied by BETA CAE Systems. This set of grids appears under "OtherGrids". This is also the location where participant-created grids will be posted.

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### **Email to Participants dated May 3, 2013**

Subject: HiLiftPW-2 update

Dear HiLiftPW-2 Participants,

It is May already! The workshop is right around the corner. Please note the following.

1. Data submittal deadline is May 20 (less than 3 weeks away). Please submit whatever data you have in hand by the deadline. Data submitted after May 20 will NOT make it into the summary at the workshop. However, you will also have an opportunity to submit/correct/add to your data after the workshop. See the webpage <http://hiliftpw.larc.nasa.gov/Workshop2/DataForm.html> for the data forms. Email us if you need details about how to upload your data to our ftp server.
2. A tentative agenda has been posted to the HiLiftPW website. Please let the committee know ASAP if your plans change and you will not be able to attend the workshop, so that the agenda can be adjusted. Don't forget to register for the workshop with AIAA at their website. Early-bird registration fee for the workshop is \$250. The fee will increase after the early-bird period ends,

near the end of this month. (There is a separate registration fee for the AIAA conference, if you also plan to attend that after our workshop is over.)

3. Note that the ICEM .blk and .tin files for Case1Config2 structured grid A had an offset in y and z. This has already been corrected in the posted A grids, but if you are making use of the source .blk and .tin ICEM files to build your own structured grids anew, then you must account for this offset yourself.

4. As participants who created their own grids submit them to us, we will make them available to the website under "OtherGrids".

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**Email to Participants dated Apr 9, 2013**

Subject: HiLiftPW updates

1. Participant abstracts have been received & processed. See the home page <http://hiliftpw.larc.nasa.gov> for ID number assignments. (ID numbers are to be used in the data submittal forms.)

2. Case 2 grid from Pointwise (C-series) is now available. Pointwise V17.1 R2 .pw file is also available there.

3. ICEM-specific files have been added for the A-series of structured grids in case they are needed.

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**Email to Participants dated Apr 2, 2013**

Subject: Abstracts for HiLiftPW-2

The following is the list of abstracts received to date for HiLiftPW-2 (note: multiple authorships only show the corresponding or lead author). Please let us know right away if we have missed your abstract.

001	Piper Aircraft Inc.	(USA)	Ross Cooper
002	NASA LaRC	(USA)	C. L. Rumsey
003	Penn State	(USA)	James Coder
004	TATA Consultancy	(India)	Anutosh Moitra
005	Indian Inst of Sci	(India)	N. Balakrishnan
006	Cessna Aircraft	(USA)	M. Chaffin
007	Aerospace-Kawasaki	(Japan)	Taku Nagata
008	CRAFT Tech	(USA)	Peter Cavallo
009	Intelligent Light	(USA)	Earl Duque
010	Metacomp	(USA)	U. Goldberg
011	Poly Montreal/Icube/CFS	(Canada/France/Switz)	T. Deloze
012	Exa	(Germany)	Benedikt Konig
013	JAXA	(Japan)	Mitsuhiro Murayama
014	KTH/Basque Center	(Sweden/Spain)	Johan Jansson
015	ANSYS	(India/Canada/UK)	B. Sasanapuri

016	ONERA	(France)	L. Wiat
017	CIAM/JSC	(Russia)	V. E. Makarov
018	Texas A&M	(USA)	S. Girimaji
019	CFD Software	(Germany)	C. Mockett
020	Boeing/NASA	(USA)	A. Sciafani
021	DLR	(Germany)	R. Rudnik
022	U Colorado Boulder	(USA)	Kedar Chitale
023	U Wyoming	(USA)	D. Mavriplis
024	FOI	(Sweden)	Peter Eliasson

(note: 5 more came in after this email was sent)

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### **Email to Participants dated Mar 29, 2013**

Subject: HiLiftPW-2 updates

Dear potential HiLiftPW-2 participant.

1. Most planned committee-supplied grid systems are now in place (A, B, D, and E). The remaining grids for system C should be finished in the near future. You are also free to use your own grids.
2. Note that there was a recent correction to the structured overset Grid E for case 2 (corrections to overflow.inp and peg.in only; all other files - including the grid file - are identical). The corrections are in E\_str\_over\_Case2Config4\_v2.
3. Estimated tunnel turbulence intensity ( $Tu$ ) information has recently been updated (see <http://hiliftpw.larc.nasa.gov/Workshop2/expinfo.html>).
4. Two-component PIV data are available from the B-LWST (<http://hiliftpw.larc.nasa.gov/Workshop2/velocity.html>).
5. Data submittal forms (given on <http://hiliftpw.larc.nasa.gov/Workshop2/DataForm.html>) are ready (v2). If any further changes are made, you will be notified.
6. Be sure to occasionally check out the FAQs page. Common and/or relevant questions that we receive are put there.
7. Do not forget to send us your brief abstract ASAP, if you plan to participate. This abstract tells us of your intent to submit results and to give a talk at the workshop. It is not a binding commitment, but a placeholder. If we do not receive an abstract from you, then it is unlikely that a slot will be available for you to speak at the workshop. If you only plan to attend the workshop as an observer (and present nothing), then no abstract is required.

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### **Email to Participants dated Mar 18, 2013**

Subject: HiLiftPW-2 abstract, registration, and other information

Several items of note:

1. In order to help us plan HiLiftPW-2, we require a very brief abstract from you (if you plan to submit data and present results at the workshop). See the home page for more info (<http://hiliftpw.larc.nasa.gov>). Deadline for emailing us the abstract is March 29. This abstract tells us of your intent to submit results and to give a talk at the workshop. It is not a binding commitment, but a placeholder. If we do not receive an abstract from you, then it is unlikely that a slot will be available for you to speak at the workshop. If you only plan to attend the workshop as an observer (and present nothing), then no abstract is required.
2. If you are not from the US and you require a visa for travel, please immediately check the information about visas on the AIAA website: <https://www.aiaa.org/Secondary.aspx?id=6258>
3. Registration is already available on the AIAA site for the San Diego conference and for HiLiftPW-2. The registration cost for HiLiftPW-2 is currently \$250 (early registration). This is in addition to the AIAA conference registration fee. The workshop fee will rise after AIAA's early registration period is over.
4. The "D" series of unstructured grids for Case 1 & 2 have been repaired; v2 are now available. "D" grids for Case 3 have also been added. We are still awaiting several other remaining committee-sponsored grids to be completed, including "B" series Case 1 fine, "B" series Case 2 & 3 high-Re, "C" series Case 1 fine, and "C" series Case 2 & 3. Remember you are also free to make your own grids.
5. The data submittal forms will be finalized in the near future. Note that a few of the existing data submittal forms have recently been modified in order to capture the possibility of time-dependent (non-steady-state) results.

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### **Email to Participants dated Mar 8, 2013**

Subject: HiLiftPW-2 grids status

This is a note to let you know that the official committee-generated workshop grids are still in process of being populated, but are not completed yet. Also, a translation error was just discovered in the posted "D\_uns...v1" series of grids. The coordinates were offset (shifted) from the correct geometry, so if you use these grids the computed moment will be incorrect, and Cp cuts will be offset from the data. If you already downloaded the "D\_uns...v1" grids, please note that they will be corrected and posted as v2 soon.

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### **Email to Participants dated Feb 17, 2013**

Subject: HiLiftPW-2 grids

This is a note to let you know that we have started to populate the committee-supplied grids for download. They will be gradually coming available over the next few weeks. The link can be found from the Grids page:

<http://hiliftpw.larc.nasa.gov/Workshop2/grids.html>



(Please note that the grids A\_str\_1to1\_Case1Config2\_v1 and A\_uns\_1to1\_Case1Config2\_v1 were incorrect. These have been replaced with v2.) We will announce when all grids that the committee intends to supply have been uploaded. In the mean time, we encourage you to try some of the grids as they become available. Please let us know if you find any problems.

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### **Email to Participants dated Jan 17, 2013**

Subject: HiLiftPW-2 status

The new year is upon us, and the organizing committee is still working to finalize the supplied grids for the June workshop. An email will be sent to this mailing list when grids are made available on the website.

Note that minor changes have been made to the Test Cases (<http://hiliftpw.larc.nasa.gov/Workshop2/testcases.html>):

1. there is a new note under Case 2
2. due to its successful use at a recent drag prediction workshop, a new (optional) case 4 has been added

A small clarification was also made on the website regarding geometry: the reference area of 419130 mm<sup>2</sup> is for the semi-span model.

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### **Email to Participants dated Nov 5, 2012**

Subject: HiLiftPW2 experimental data available

The HiLiftPW2 website (<http://hiliftpw.larc.nasa.gov>) now provides access to experimental data (forces, moments, pressure coefficients). STEP geometry files are also now provided in addition to the IGES files.

More information will be provided as it becomes available.

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### **Email to Participants dated Oct 31, 2012**

Subject: HiLiftPW2 information

You have expressed an interest in the upcoming High Lift Prediction Workshop 2, to be held in June 2013. This email is to let you know that some significant new information has recently been added to the HiLiftPW2 website (<http://hiliftpw.larc.nasa.gov>):

- IGES Geometry files
- Preliminary Gridding guidelines
- Test Case definitions for the Summer 2013 workshop
- Selected oil flow photos from the experiment
- Some postprocessing information

More information, data, grids, etc. will be provided as they become available.