

Meetings of 2/11/13 joints committee meeting

David Ewins, Larry Bergman, Daniel Segalman, and Matthew Brake in attendance

1. Administrative Issues

M. Brake appointed secretary. At the next meeting we will have formal elections
David will send Mike Starr an email thanking him for his service as secretary.

Arrange to have a formal committee meeting at IDETC

2. Review of the 3rd Joint Workshop

We need to get the slides from Mike Starr, and find out who hasn't sent their slides yet. These slides need to be posted on the Imperial website, David will provide information for how

Email David and Nina the materials once collected.

After uploading, email everyone an update of activities since Chicago (minutes, posters, slides, update on challenges)

We need to put together proceedings for the workshop. P/T from Dan?

Consider involving Melih and Matt Allen if they'd like to collaborate on this.

Discussion on path forward: issues related to funding the research coming to the forefront.

David: theme at IMAC this year is nonlinearities in structures. Next year it will be on the dynamics of coupled structures. This is evidence of the importance in the community

Larry: It's possible that funding won't come without a spate of failure.

David: political aspect: active nonlinearity, not joints. How can system dynamics being conditioned through the introduction of specifically designed active nonlinearities?

David: we need to update our roadmap statement, 'This community has met and agreed that these are the challenges...' (other comments: the roadmaps is very useful for referencing and pointing to as a consensus for a way forward, etc.)

I. Action: close out by putting all of the information on the web, and working on the proceedings.

II. Proceedings: Dan Segalman, Matt Brake, Melih Eriten, and Matt Allen

3. Progress to first Challenge Deadline

M. Brake: We have all but one of the challenges signed up to give update talks. The one derelict one is challenge #9: Time varying model parameters, modeling, and experiment 'surface chemistry'

4. Plans for IDETC2013 in Portland

David: we should have a meeting in Portland to discuss how to proceed forward and the financial outlook. If possible, half of the joint sessions should be one morning, then the next half the following morning. In between have a mini-workshop

Mini-workshop in Portland: Have an agenda, and setup space in advance (contact Norma?).

Everyone should be prepared to talk about funding issues.

Norbert Hoffman has been hired by Imperial College for half of his time as David's successor.
Good opportunity for junior staff members to be mentored.

We have a program for Portland that involves at least a dozen people. Norbert will be joining us there. The program will go on regardless of whether Sandia gives Dan and Matt permission to attend.

We should involve as many people as possible for the joint meetings/mini-workshop

Activities

David is going to Lyon to try and involve a French contingent as they have some very strong parallel interests (like our colleagues in Germany)

Matt: a group from Supmeca, in Paris, David Ewins would like their contact information

David: new avenue – studying dynamics as a source of issues in extending the life of nuclear power plants (in France, all but one reactor will be at end of life in 2018...the earliest that replacements can come up is 2026, but this is being delayed due to politics). So, people working on extending the life of reactors. One unexpected source of difficulty is related to dynamics and nonlinearities. 'If we can fix this problem, then it will save us trillions of dollars.'

5. Activities

White Papers: take off proceedings and copyright ASME, and update papers, then post on imperial's website.

Put up the spreadsheet that is an update of the challenges, add on other papers
Add information for other conferences – IDETC, WTC, Oxford.
Encourage people to send in anything that's related to it

Dan: we'll need someone to own the site...

David: Christoph would be a good candidate

Dan: provide contact information for people in other institutions so that we can make both real and virtual connections as well as extended visits.

III. The activities page should include: challenges, papers submitted to conferences, or at least the list of papers, opportunities for extended visits, links to papers available on the web for on topic papers. Volunteer Christoph S. for this.

-Challenges

-Other papers IDETC

-Other papers at other conferences

-Other pertinent papers available online (links)

-Opportunities for extended visits and postdoc opportunities

-Conferences and meetings which committee members are involved with

-Funding opportunities (EU proposals constantly are looking for multinational collaborations)

We will need a disclaimer about papers and copyrights. We shouldn't host copyrighted material, but no reason not to have a link to a page that would have it (i.e. Prof. X's website)

What are the next deliverables? We had short term goals for the challenges (six month deliverable: green paper). Next goal: presentation and discussion in August. After that? Suggestions for actions, short term things that can be achieved within a year?

IV. Plans for the challenges after August 2013. As an agenda for the meeting, our expectations for the challenge teams over the next year. What comes next.

David: we should start involving the younger generation more, Christoph S., Pablo T., etc. At AWE, they're quite keen to participate too.

Maybe we should switch to an annual cycle...have a plan for every year's goal's that's discussed once a year at a meeting.