

Minutes from the Blast, Shock and Vibratory Effects Committee Meeting

May 19, 2005, 7:00 pm – 10:00 pm

2006 Structures Congress

Adam's Mark Hotel, St. Louis, MO

Attendance:

Nine members and seven visitors attended the meeting. The list of attendees is attached.

1. Call to Order and Meeting Agenda

The meeting was called to order by Jimmy Baylot. All members and guests introduced themselves. Jimmy Baylot had emailed an agenda prior to the meeting which was agreed upon by the members in attendance.

2. Approval of Minutes from Previous Meeting at 2004 Congress

The minutes from the previous meeting were presented by Jimmy Baylot and have been available on the Committee's website. The minutes were approved unanimously.

3. Committee Membership

Jimmy Baylot presented the roster. He encouraged and invited the guests to apply for the committee's membership. This is Jimmy's last year as chair of the committee. Next year, Ted Krauthammer will take over as chair. Jimmy will become chair of the Dynamic Effects Technical Administrative Committee.

4. Report by Associate Editor

Abhinav Gupta facilitated review of 24 papers of which 5 were re-reviews and 19 were completely new reviews. The following decisions were made on these total 24 reviews.

- 4 Accepted
- 3 Declined
- 2 transferred to other Journals (Declined for our Journal)
- 2 resubmit as Technical Note
- 7 Resubmit as Full papers
- 1 Resubmit for review by editorial board only
- 5 are currently under review

5. Technical Sessions at Structures Congress

Jimmy Baylot reported that the committee proposed 8 sessions for the 2006 Congress of which 3 were approved. The three sessions and their moderators were:

1. Blast Resistant Wall Design, Hani Salim
2. Blast Resistant Barriers, Hani Salim

3. Blast Effects on Systems: A Multi-Hazards Viewpoint, Jimmy Baylot and Mohammed Ettouney.

The sessions were well attended with 65-70, 45-50, and 35-40 participants in the sessions, respectively. Attendance at the first session could have been higher if not for a concurrent session on Bridge and Tunnel Security which clearly drew some participants away. The session on Computational Failure Analysis of Reinforced Concrete Structures was also held at the same time and focused on progressive collapse.

6. Sessions for 2007 Congress in Long Beach, CA

Jimmy informed the members that the session proposals are due June 15, 2006. Three possible sessions were proposed.

Vessel Collision Loads on Bridges will be submitted by Gary Consolazio for the Bridge and Transportation Track

Blast Effects on Connections was submitted by Jimmy Baylot and Mohammed Ettouney for the 2006 congress but was not accepted. That same session will be submitted for the Research Frontiers Track of the 2007 Congress. That track will be published as peer reviewed papers that will be due in October 1, 2006 as opposed to January 15, 2007 for the other papers. Jimmy will check with proposed session participants to see if they will be able to meet the new deadlines.

Uncertainty in Blast Design will be submitted by Jimmy Baylot and Mohammed Ettouney under the Extreme Load Design topic under the Buildings Track.

The organizing committee for the 2007 Congress contacted the committee chairs to notify them that the organizing committee was considering adding more tracks. Ted Krauthammer and Jimmy Baylot had organized a three session tutorial and Sam Kiger had planned a one session panel discussion on Blast Design that was not accepted for the 2006 congress. Jimmy Baylot will check to see if the 2007 organizing committee would be interested in having these four sessions presented.

8. Updates on Committee Related Reports

Paul Mlakar presented an update on committee related reports. About 2000 copies of the "Structural Design for Physical Security" report have been sold and about 1000 copies of the "Pentagon Building Performance" Report have been sold.

9. Committee Website

Gary Consolazio presented a report on the committee website. A Question submission form is now ready for implementation. It would allow a guest to ask a question and receive a response from a committee member. One purpose of this feature is to also help in developing a comprehensive list of FAQs. It was suggested that a disclaimer be added to the website that the form is meant for asking questions regarding general information.

10. Other Committee activities and Proposals for Future Committee Activities

The idea for paid workshops was discussed. The committee agreed that such workshops are driven by individual interests and a match of their interests with ASCE. The committee is not suited to pursue such an activity.

11. Other business and open discussions

It was proposed to remove the phrase “vibratory effects” from the committee name and its mission. An email will be sent to the members to get feedback.

12. Adjournment

The meeting was adjourned at 9:30 pm. It was followed by meeting of the Subcommittee on Physical Security.

Minutes of the meeting prepared by: Abhinav Gupta

13. Subcommittee on Physical Security

Ted Krauthammer had proposed the formation of a Task Committee to write a “Design Guidelines for Physical Security.” Don Dusenberry informed us that the writing of the document was funded by ASCE. The funding will include two meetings per year with 4 people funded to attend each meeting. Control group members must be named by May 31. Since there currently are only 6 members of the Physical Security subcommittee and those are the only proposed members of the Task Committee, those 6 members will be control group members for the committee writing the design guideline. Ted will be the chair of that committee. The subcommittee on Physical Security will no longer exist. Ted Krauthammer suggested that we should probably add a section on Numerical Models to the sections already being covered in the current report.

Attendees at 2006 Blast Shock and Vibratory Effects Committee Meeting

Members

Farid Alfawakhiri	falfawakhiri@steel.org
James Baylot ^{1, 2, 3}	james.t.baylot@erdc.usace.army.mil
Gary Consolazio ²	grc@ce.ufl.edu
Abhinav Gupta ^{2, 4}	agupta1@ncsu.edu
Theodor Krauthammer ^{2, 5}	tedk@psu.edu
David Mazurek	dmazurek@exmail.uscga.edu
Robert Smilowitz	smilowitz@wai.com
John Weathersby	John.Weathersby@inl.gov
Paul Mlakar ³	Paul.F.Mlakar@erdc.usace.army.mil
William Zehrt ⁶	William.H.Zehrt@HND01.usace.army.mil

John Crawford	Crawford@kcse.com
Robert Dinan	Robert.Dinan@tyndall.AF.mil
Don Dusenberry	dodusenberry@sgh.com
Jim Davidson	jdavidso@uab.edu
Arya Ebrahimpour	ebraarya@isu.edu
Andrew Prinaris	Andrew.Prinaris@ngc.com
Eric Wiliamson	ewilliamson@mail.utexas.edu

- 1 Committee Chair
- 2 Control Group Member
- 3 Member Physical Security Sub Committee
- 4 Structures Journal Associate Editor
- 5 Chair Physical Security Sub Committee
6. Provided input via e-mail