

Minutes from the Blast Shock and Vibratory Effects Committee Meeting

April 20, 2005, 6:00 pm – 9:00 pm

2005 Structures Congress

Hilton Towers Hotel, New York, NY

Attendance:

Eleven Members and thirteen 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. Baylot had emailed an agenda prior to the meeting which was agreed upon by the members in attendance. The Dynamic Effects TAC includes the BS&VE committee the wind Effects Committee and the Seismic Effects Committee. Joe Tedesco, chair of the Dynamic Effects TAC was present at the start of the BS&VE. Since he had to leave early to participate in the Seismic Effects Committee meeting, Jimmy Baylot asked Joe Tedesco if he would like to speak to the BS&VE committee at the start of the meeting. Tedesco explained the relationship between the Dynamic Effects TAC and its technical committees and asked if there were issues that our committee would like for him to bring up at meeting with EXCOM. The issue of committee involvement in submitting sessions at the Structures Congress was brought up. Tedesco will bring this up at the EXCOM meeting. The BS&VE committee had submitted a proposal for a special project. Tedesco will find out status of this special project at the EXCOM meeting. Other issues discussed are included below.

2. Approval of Minutes from Previous Meeting at 2004 Congress

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

3. Committee Membership

Current policy is that membership on committees is not to exceed 6 years. A member must roll off for two years before re-applying for membership. Barry Rosson is the only member that has been on the committee for 6 years and he will have to roll off of the committee. Rosson has served as Associate Journal Editor for the committee and has served as control group member. Baylot extended his appreciation to Rosson for his outstanding service to the committee. Abhinav Gupta took over as Associate Editor in October of 2004. He has been off of the committee for 2 years and Baylot encouraged Gupta to re-apply for membership. Gupta will be a control group member starting in October, 2005. Baylot encouraged and invited the guests to apply for the committee's membership.

4. Report by Associated Editor

Rosson facilitated review of 15 papers of which 8 were re-reviews. Barry Rosson's term ends October 2005. Gupta started as the new Associate Editor for the committee in October 2004. He reported facilitating review of 15 papers of which 2 were re-reviews.

5. Special Issue of Journal of Structural Engineering

Rosson presented his report on the publication of Special Issue on the Shock and Vibratory Effects. According to Rosson, 11 papers have been accepted. A couple of authors are currently preparing their final manuscripts for publication. Typically, 15 to 17 papers are needed for a complete Special Issue. Therefore, the set of 11 papers in one issue may be titled as a Special Section.

6. Technical Sessions at Structures Congress

Baylot reported that the committee submitted 3 session proposals for the 2005 Congress of which 2 were approved and 1 was "lost" by the local organizing committee. Baylot reported on his communication with the local organizing committee on that matter. The two accepted sessions were Blast Design for Physical Security and Blast I and II chaired by Baylot and Bob Smilowitz, respectively. In addition, 5 sessions (not sponsored by the committee) on topics closely related to the committee's scope were also listed under the final Technical Program for 2005 Congress.

For the 2006 Congress in St. Louis, the committee had requested a separate track. While the committee was not informed of the approval for this request, a separate track exists in the Technical Program. The deadline for submitting session proposals for the 2006 Congress has been extended to May 21, 2005. The committee plans to submit at least 5 sessions as of the date of this meeting. The details of these sessions are:

(I don't know the titles and actual chairs)

1. Hani Salim "Blast Response of Wall"
2. Mohammed Ettouney and Baylot "Blast Effects on Systems: A Multi-hazards Viewpoint"
3. Baylot and Ettouney "Blast Effects on Structural Connections"
4. Ted Krauthammer Two Session Tutorial on Blast Resistant Design
5. Possible Panel Discussion on Blast Design
6. Possible Panel Discussion on Progressive Collapse

Don Dusenberry is the Chair of the Blast Standards committee and was a visitor at the BS&VE committee meeting. Baylot asked Dusenberry if their committee was planning on proposing sessions for the 2006 Congress. Dusenberry said that they planned to submit two session proposals. The committee had not yet decided if their standard would include progressive collapse. If their committee covers progressive collapse in their session, the BS&VE committee would not propose a session on that subject.

7. Sessions for 2007 Congress in Long Beach, CA

Baylot informed the committee that the conference dates have been set for May 16 – May 20, 2007. The session proposals are due June 2006. It was decided to discuss the session proposals at

the next congress in St. Louis. The committee members expressed their support for the change in due dates and its effect on planning of sessions for a future congress.

8. Updates on Committee Related Reports

Paul Mlakar presented his report on two technical reports produced by the committee and published by ASCE. Paul informed the committee that ASCE has sold 1606 copies of the report on “Structural Design for Physical Security”. He also informed that ASCE printed 2500 copies of the report on “Pentagon Building Performance Report” of which 1046 copies have been sold.

9. Committee Website

The committee website can be accessed at either <http://www.ce.ufl.edu/bsveweb> or <http://www.ce.ufl.edu/sveweb>. The committee web site is also linked to the SEI website <http://www.seinstitute.org>. Gary Consolazio presented the report on Committee website. The online form for membership submission is now working. Another online form is being setup for visitors to ask questions from committee members. A detailed discussion was held on the process of sending question to committee members by email and the process of posting the question and answers on the website. Several suggestions were provided by the committee members. Detailed discussion was also held on the updating technical expertise of committee members on website in order to assist the associate editors with finding reviewers for the Journal manuscripts. Baylot expressed his appreciation to Consolazio for his efforts in keeping the web site current and for the improvements that he has made.

10. Structural Design for Physical Security Survey

Krauthammer presented his report on a survey conducted by his for the BS&VE committee on the need for engineering skills in physical security. The survey consisted of a total of 6 questions. Krauthammer will write a short summary on the survey and its outcome and will try to publish in ASCE news. The survey indicated that there is significant interest in teaching physical security and blast in civil engineering departments and there is a need for training for those that would like to teach.

11. Other Committee activities and Proposals for Future Committee Activities

Detailed discussion was held on the need for developing and providing training to faculty members around the country in the area of structural design for physical security. Suggestions were made for creating a report on the need for training education community so that graduate education curriculum could be modified to include structural design for physical security. It was suggested that the report (to be prepared by the committee) be presented to ASCE for a society wide recommendation of this important activity. Committee members identified that the only courses offered currently in this field are at Pennsylvania State University and a new course that started recently at the Coast Guard Academy. Short courses offered in this area were also discussed. A suggestion was also made to create a University-level Network for this activity. Ted agreed to prepare a draft of the plan for this activity which would then be distributed to the committee members.

12. Adjournment

The meeting was adjourned at 9:00 pm. It was followed by meeting of the Subcommittee on Physical Security.

Minutes of the meeting prepared by: Abhinav Gupta