

Minutes  
Blast Shock and Vibratory Effects Committee  
May 1, 2009, 8:30 – 11:30 am

Bosque Room, Renaissance Austin Hotel  
9721 Arboretum Boulevard  
Austin, TX 78759

Attendance:

Members

S. Marjamishvili  
J. Weathersby  
J. Baylot  
G. Consolazio  
A. Braimah  
W. Zehrt  
P. Mlakar  
T. Krauthammer  
B. Faust  
J. Schmidt  
D. Barker

Visitors

E. Musselman  
L. Bing  
R. Browning  
S. Duwadi  
A. Islam  
L. Leininger  
S. Robert

Ted Krauthammer opened the meeting at 8:30 am, and the following activities took place:

1. Introduction of committee members and visitors
2. Approval of minutes of 2008 Structures Congress – The minutes were approved by the attending committee members.
3. Committee membership – Ted Krauthammer reviewed the current status of committee members, and planned member rotation, as required by ASCE guidelines. A brief discussion took place about activity expectations of committee members.
4. Report of Associate Editor and discussion of paper reviews - Shalva Marjanishvili briefed the following on paper reviews by the Committee, and handed out a brief summary:

A total of 16 papers were submitted, 5 papers were accepted (31%), 1 paper was declined (6%), 6 were recommended for re-review (38%), 4 are pending review (25%).

The committee discussed issues related to the review process: Marjanishvili explained that the Assoc. Editors typically do not handle more than a small number of papers per year, and this could explain the delay in the review/publication process. Also, he requested the committee members to agree to review papers that he will transmit to

them, in order to increase the committee's paper review volume. Committee members requested the Assoc. Editor to provide feedback on the status of papers they review.

5. Review of Technical Sessions 2009:

The following sessions were organized by this Committee, and all were very well attended.

Blast to Progressive Collapse – Mohammed Ettouney: More than 100 persons attended, and the session was very successful.

Blast Response of Walls - Jimmy Baylot: About 70 people attended a very productive session. One presenter did not show.

Blast Protection against Industrial Explosions – Darrell Barker: The session was scheduled for later that day, and no data were available.

Multi Hazard Design of Structural Systems – Reginald DesRoches and Ted Krauthammer: The session was cancelled after two presenters pulled out just before the Congress date.

John Weathersby suggested that session chairs should consider meeting with the presenters in their sessions in the morning of the session day to coordinate with everyone. Bill Zehrt suggested that blast-related sessions should be staggered in an attempt to avoid parallel sessions on blast. This will enable people to avoid conflicts.

Additional discussions were on publication of papers in the proceedings, and that authors are not required to submit a full paper. It was noted that various people declined presenting papers at technical sessions because they understood that they would be required to write a full paper

6. Discussion of topics for 2010 Structures Congress – May 12 -15, 2010, Orlando, FL. The following ideas for sessions were proposed:

Shalva Marjanishvili – Curtain Wall Analysis and Design for Blast

Gary Consolazio – Bridge Impact; It was suggested to coordinate with the Bridge and Tunnel Security Committee.

Jimmy Baylot – Critical Infrastructure Protection

Bill Zehrt – The new UFC 3-340-02 that replaces TM 5-1300. He requested that members interested in participating in developing presentations for this session should contact him. He provided a table that summarizes the changes made in the new UFC, as compared to TM 5-1300.

Ted Krauthammer – Multi-Hazard Analysis and Design

Another session idea was expected from Mohammed Ettouney.

Paul Mlakar requested to be informed about submitted session requests, so that he could track them at the congress committee level.

7. Updates on committee related reports

*Structural Design for Physical Security – State of Practice Report*  
*Pentagon Building Performance Report*

Mlakar noted that both are still for sale, and he provided the following details after the meeting.

<b>Report</b>	<b>Total Sales</b>	<b>Recent Annual Sales</b>
<i>Structural Design for Physical Security</i>	2,340 units	171 units (2008)
<i>The Pentagon Building Performance Study</i>	1,115 units	9 units (2008)
<i>Design of Blast Resistant Buildings in Petrochemical Facilities</i>	2,893 units	312 units (2008)

8. Building Vibration Committee – Jimmy Baylot

Jimmy Baylot informed the Committee on the efforts and activities to identify people who might be interested in forming and leading such a committee. Although no such people have been identified yet, he noted that the next step might involve an open call through an appropriate ASCE publication.

9. Committee web site

Gary Consolazio provided a handout on the Committee web site (<http://bsveweb.ce.ufl.edu>). He requested the members to review the latest roster for updating the membership information. Also it was noted that the web URL should be modified to reflect the change in Committee name (e.g., bsie.ce.ufl.edu).

10. Other activities:

Bill Zehrt noted that there were upgrades in UFC 3-340-02 that replaces TM 5-1300 w.r.t. concrete-related issues.

11. Proposals for future committee activities

The possibility of a special volume of the Journal of Structural Engineering was discussed, and members raised their concerns w.r.t. the length of the review/publication process. Shalva Marjanishvili agreed to look into the possibilities and requirements, and to report to the committee.

Jimmy Baylot informed the Committee that Shalva Marjanishvili will be nominated to chair the committee when Ted Krauthammer's term will expire. Also that Ted Krauthammer will be nominated to chair the Dynamic Effects TAC after Jimmy Baylot's term will expire.

A brief discussion was held on a possible future blast-related workshop, but it was agreed to continue it at the next meeting.

12. Other business and open discussions

None.

13. Adjourned at about 11:00 am.

Minutes  
Sub-Committee on Design for Physical Security  
May 1, 2009, 11:00 – 11:30 am

Bosque Room, Renaissance Austin Hotel  
9721 Arboretum Boulevard  
Austin, TX 78759

Attendance:

All committee members, as listed above.

Ted Krauthammer opened the meeting at 11:00 am, and the following activities took place:

1. Krauthammer provided the background for the sub-committee.
2. Jon Schmidt informed the committee that members of the blast standard committee plan to publish a handbook on blast resistant design, and that might remove the need for a design guide. Shalva Marjanishvili suggested that more than a single reference might be justified, and also that the committee might address other topics to complement what could appear in the handbook. Ted Kauthammer proposed to contact Don Dusenberry, and request more information on the plans for the handbook.
3. Ted Krauthammer suggested that the committee consider revising the 1999 report with extensive updates, and to include also materials on bridge and tunnel security issues, in cooperation with the Bridge and Tunnel Security Committee. Jimmy Baylot proposed to contact Eric Williamson about this matter.
4. Jimmy Baylot requested the committee to provide its recommendations on the above issues, so that he would inform SEI, accordingly.
5. The meeting was adjourned at 11:30 am.