

SEI Shock and Vibratory Effects Committee Meeting Minutes
Westin Seattle Hotel, Seattle, WA
Friday, May 30, 2003

Meeting was called to order at 5:00 p.m.

1. Introduction of Committee Members and visitors

Members

Joseph Tedesco, Chair	University of Florida
Barry Rosson, Associate Editor	University of Nebraska
Gary Consolazio, Control Group Member	University of Florida
Ted Krauthammer, Control Group Member	Pennsylvania State University
James Baylot	US Army ERDC
Paul Mlakar	US Army ERDC
Abhinav Gupta	North Carolina State University

Visitors

Nathan M. Kathir	DTRA
Bob Smilowitz	Weidlinger and Associates
Donald Dusenberry	Simpson, Gurpartz & Hegar
Ed Alsamsam	PCA
Patrick Acosta	US Army Corps of Engineers
Farid Alfawakhiri	AISC
Jon A. Schmidt	Burns & McDonnell

2. Approval of Minutes of 2002 Congress

Ted Krauthammer - Moved Abhinav Gupta - Second
Minutes were unanimously approved without revision.

3. Committee Membership

The committee reviewed the attached committee roster and noted those rotating off the committee September 30, 2003. Joe Tedesco will become the Chair of the Dynamic Effects Committee beginning October 1, 2003 but will remain a member of the Shock and Vibratory Effects Committee after stepping down as Chair September 30, 2003. Jimmy Baylot will become the new Chair of the SVE Committee. Barry Rosson will remain as the Associate Editor the *Journal of Structural Engineering* for the committee.

Interested visitors to the meeting were encouraged to apply for membership to the SVE Committee using the on-line application form found on the ASCE web-site.

Nick Jones entered the room and joined the meeting to discuss general issues concerning ASCE, SEI and Technical Sessions at the Structures Congress. He

reported that SEI ExComm is pleased with the Shock and Vibratory Effects Committee and the efforts of the committee to produce quality technical sessions and the ASCE publication *Structural Design for Physical Security*. He also reported that there continues to be tight budgets within ASCE and that no special requests for funding will be granted without ExComm approval. The restrictions on committee membership for those that are not members of ASCE have been lifted. ExComm will now make exceptions to fill vacancies by those that bring special expertise to the committees by those that are not members of the Society.

Several members of the committee discussed with Nick the need to coordinate the sessions of the Structures Congress between the Steering Committee and the Committee Chairs. One idea included publicizing the sessions before-hand on the ASCE web-site so that the Committee Chairs could comment on the proposed sessions before they are approved.

4. Report of Associate Editor

Barry Rosson, Associate Editor, presented his report on the papers submitted to the *Journal of Structural Engineering*. His report is attached. The summary results for the twelve month period from June 1, 2002 through May 30, 2003 are as follows:

Papers received for review	25
Reviews completed	18
Accepted	6
Tentatively Accepted	4
Declined	8

5. Review of Technical Sessions

- Seattle, WA *2003 Structures Congress*
 - i) “Designing and Evaluation Structures for Protection from Terrorists Threats” (Jimmy Baylot)
 - ii) “Blast Resistant Design of Buildings and Other Structures” (Paul Mlakar and Jimmy Baylot led a discussion of this session. The session was organized outside of the Shock and Vibratory Effects Committee.)

The committee sponsored two sessions that were very well attended with over 100 people in each session.

- Nashville, TN *2004 Structures Congress*
 - i) “Simplified Methods for Blast Mitigation Problems” (Jimmy Baylot)

ii) “Progressive Collapse in Buildings (Jimmy Baylot)

Both sessions have been accepted. It is requested that the authors submit the papers directly to Jimmy Baylot. The final publication ready papers are due September 4, 2003.

6. Discussion of Sessions Topics for *2005 Structures Congress*

The Structures Congress organizers are asking for several blast related sessions. The session proposals are due October 1, 2003. It was proposed that the committee sponsor a track with four sessions (three technical sessions and one panel discussion). Those interested in participating were reminded to keep Joe and Jimmy informed by email on all correspondence related to the Congress sessions and papers. Joe will contact Debbie Smith at ASCE about the desire of the committee to sponsor an entire track or coordinate two tracks with others in ASCE. Ted and Bob will work with the Structural Engineers Association of New York to help organize a session.

7. Updates on *Structural Design for Physical Security- State of Practice Report and Task force on WTC and Pentagon* (Paul Mlakar)

As of May 30, ASCE has sold 1,121 copies of the *Structural Design for Physical Security*. Ted recommended that a task committee under the SVE Committee create a revised version of the document to add new information and revise the existing material to reflect the latest changes in the field. This was discussed further in Item 11 – Future Committee Activities.

8. Special Issue of *Journal of Structural Engineering*- (Joe Tedesco)

Joe has received two abstracts so far. We need 12 to 15 for a full issue. The call for papers is on our committee web-site. A flyer has also been made to advertise the special issue (refer to attachment). Joe asked that all committee members submit a paper.

9. Committee Web Site- (Gary Consolazio)

Gary started the web-site beginning April 2002. SEI has linked the committee web-site to the main SEI web-site. Conferences and workshops related to shock and vibratory effects are announced on the site. Gary will send out an e-mail to the committee members soliciting new information and announcements. It was suggested that a FAQ section be added to the site and that we track who is visiting the site.

10. Related Activities

- *Second MIT Conference on Computational Fluid and Solid Mechanics-* (Joe Tedesco, Jimmy Baylot)

Joe, Jimmy and Gary are sponsoring several sessions at the conference June 17-20. This is a very large event at MIT with many participants throughout the world presenting their research on a wide range of topics related to computational mechanics.

- *Protective Technology Center-* Ted Krauthammer

Ted is the Director of the Protective Technology Center. The center is involved in a wide range of activities from threat assessment to training. Several members and friends of the SVE Committee are apart of the university consortium and are heavily involved in the activities of the center.

11. Proposals for Future Committee Activities

The SVE Committee would like to form a new task committee with funding from SEI to update the *Structural Design for Physical Security* document. There is a need to make the document more current, with new references and discussions. For instance, glazing research has really expanded in this area and needs to be incorporated into the report. The report has been used as a guide and is not really a “standard type” document yet. It was felt that the document could be made to be a little broader in scope but still maintained to be an introductory document on the subject. It was recommended that the new title be “Design Guidelines for Physical Security” and that “Assessment” be added to the update.

Ted is to forward a proposed budget to Joe for submission to ExComm for funding of the Task Committee. Committee members and friends were asked to let Joe know what they would like to do to help, either by editing a chapter or by adding a new one. Joe and Ted will coordinate the effort.

12. Other Business and Open Discussions

Ted Krauthammer - Moved Jimmy Baylot - Second
Rename the committee to the “Blast, Shock and Vibratory Effects Committee”
Motion was unanimously approved.

In light of the recommended change to the committee name, members were asked to submit any changes to the Mission Statement to Joe by email.

The meeting was adjourned at 8:30 p.m.