

The Institute of Physics

STRESS AND VIBRATION GROUP COMMITTEE

MINUTES OF COMMITTEE MEETING

Minutes of the 4th meeting of the 2008 session held at IOP HQ, 76 Portland Place, 10.30 am 23 October 2008.

Not yet approved

Present:

Dr Chris Truman, Chairman	CET
Dr Arthur Jones, Secretary	IAJ
Dr Sophoclis Patsias, Treasurer	SP
Dr Jack Hale	JH
Professor Patrick Keogh	PK
Dr Stefan Kaczmarczyk	SK
Dr Cristinel Mares	CM
Dr Andrew Moffat	AM
Dr H Ouyang	HO
Professor Vadim Silberschmidt	VS

Apologies for Absence

Professor Janice Barton	JMB
Dr John Clark	JC
Dr Paul Cunningham	PC
Dr John Dear	JD
Professor Alexander Korsunsky	AK
Professor Arthur Lees	AWL
Professor John Penny	JETP
Mr Paul Tatum	PT

1. MINUTES OF PREVIOUS MEETING

These were approved without alteration and have already been posted on the web.

2. MATTERS ARISING FROM PREVIOUS MINUTES

£300 unexplained claim in accounts (item 2): This matter is now considered closed.

Action: SP.

3. HONORARY SECRETARY'S REPORT

IAJ reported that there is a Group and Divisional Officers' Forum on 5 November; VS will attend as Chairman subject to his election. [Post meeting note: election confirmed]

Action: VS

The MyIOP networking facility is now in operation; CET has used it and gave a brief overview. An apparent shortcoming was identified and is considered further under item 7.

There is a new method of creating entries in the Diary of Events; IAJ will make use of this as far as possible.

Action: IAJ

4. MINUTES ARCHIVE

IAJ reported that he now has a substantially complete set of minutes in Word format dating back to 2001 and many earlier minutes dating back to around 1996 in a variety of formats, courtesy of Keith Worden who used to act as SAVG's webmaster. It was agreed that this matter had been pursued as far as necessary, and IAJ will send a CD copy to Sarah Verth for formal archiving.

Action: IAJ

5. HONORARY TREASURER'S REPORT

SP covered the anomaly between the surplus policy for 1 and 2 day meetings in the light of his "Damping Materials" meeting making a £1000 surplus. SP will continue to pursue as this policy seems surprising, and will try to get a commitment to put some of this aside for the next event in the series.

Action: SP

Budget for 2009: we asked for £3500 committee expenses and a total £4488; we were awarded £2100 for committee expenses so total is £3100. We have reduced the size of the committee in accordance with the request from GCC. We still need to complete the form for approval of the prize proposed in the budget request.

In order to effect the necessary economies, SP also suggested that we might consider use of WebEx or teleconferencing for people who only have one or two items. He also asked that members get their claims in as soon as possible to allow for budgetary planning.

Picking up on SP's suggestion, IAJ will pursue the availability of four different options for reducing the need for meeting travel:

- WebEx
- teleconference for whole meeting
- teleconference for one or two items involving specific individuals who need not be present otherwise
- full video conferencing with use of webcams on desks etc.

Action: IAJ

6. NEWSLETTER

AM to get newsletter out by next meeting. AM asked for paragraphs on recent meetings:

- SP to provide a report on his "Damping Materials" meeting
- SK to provide a report on MOSS

Action: SP, SK

IAJ will ensure that AM has access (on behalf of officers) to MyIOP to upload documents and circulate them

IAJ will also look into the opportunity for us to send newsletter to members of other Groups to encourage them to join SAVG.

Action: IAJ

7. WEBSITE

SK will contact IOP to ensure that there is a link to IOP SAVG webpages from the home pages for MyIOP SAVG members.

Action: SK

IAJ will contact Sarah Verth to try to set up SK as authorised editor for committee membership and check exactly what authority is needed (committee, officer, nominee etc). [Post meeting note: it is not really a website issue since the committee details are linked to details in the membership database; ideally these details will be edited on the instruction of the individual concerned, or on the authority of the Committee]

Action: IAJ

SK will add in a “planned events” section in addition to the “forthcoming” and “past”

Action: SK

8. IOP MATTERS

CET reported that we need to provide the Group Return by end of November

Action: IAJ, VS, SP

There will be a new Group constitution coming out soon. We will also be asked what our remit is, and to consider whether the name is still appropriate.

We have also been asked to co-sponsor an event on “Seismic analysis” – CET has provisionally agreed to do this and is forwarding the request to the new Chairman.

Action: CET, VS

SK has had a meeting with the new Chair of the Technical Committee on Vibration and Sound in ASME. They are keen to co-operate with SAVG to share information on events in the form of mutual co-sponsoring, and they will be putting this to their members. Once approved on both sides, we will plan to display each others’ logos and publicise each others’ events. Note that this relates to the two groups within the two organisations, and is not at institution level.

It was **agreed** that we will put ASME logo on flyers for meetings they co-sponsor, and vice versa, on an event-by-event basis.

Action: SK

9. MISSION, SCOPE ETC. OF SAVG

The suggestion was made in the last meeting that we re-brand ourselves as the “Applied Mechanics Group”. There was some discussion on whether this would be universally understood and no problems were perceived. This suggestion was therefore **unanimously supported by the Group Committee**. All Committee members are to re-send their statement of interests etc. to VS who will summarise and package these.

Action: all to re-send one-line statements

Action: VS to contact Sarah to notify her of our planned change to our name and our revised remit [Post meeting comment: VS contacted Sarah who suggested to inform all Group members before a formal application].

VS will also contact Bushan Karihaloo at Cardiff regarding informal cooperation with the Royal Society Theoretical and Applied Mechanics Panel to avoid any perceived conflict.

Action: VS

Now that there is the new scheme allowing free Group membership, we should all try to publicise SAVG/AMG at future conferences etc. with a view to encouraging additional IOP and Group membership; also seek to attract EPSRC-sponsored research students via the “paid-for membership” approach. [Post-meeting note: this EPSRC-sponsored scheme appears to have been terminated].

Action: all

10. COMMITTEE MEMBERSHIP AND SUCCESSION

All officers need to consider who might take over, also for individuals interested in a post to contact VS for an informal discussion.

Action: VS, IAJ, SP

All need to consider potential new members of the Committee with better spread across institutions, more industrial representation and including membership from outside of England and Wales (which are the only countries currently represented).

Action: all

11. APPLIED PHYSICS AND TECHNOLOGY DIVISION

JH has taken over as our representative on APTD and reported from their recent meeting. There is concern that APTD’s budget has been cut. Divisional funds are available for speakers’ expenses (£300 per meeting). One of the other Groups raised the issue of what happens to the surplus from one-day meetings.

There is a conference on Physics and Engineering being planned by EPG which is likely to be taken over by the APTD.

The next NASM organisation meeting is 2 December which IAJ will attend if possible.

Action: IAJ to attend.

12. FORUM FOR APPLIED MECHANICS

Of various issues, the main one which was covered was the need to send information to Jo Davenport. JH needs to send copies of the events spreadsheet to Jo Davenport, flagging up the “definite” (rather than all speculative) events.

Action: JH

13. MECHANICS OF SLENDER STRUCTURES 23-25 JULY 2008

This was very successful with 60 delegates, 40 papers from 11 countries over 3 days, 7 keynote speakers and one invited closing talk. Topics covered a wide variety of structures from DNA structures to space tethers. SK presented a profile of SAVG and showed the SAVG conference websites.

A follow-up event is proposed for 2010, San Sebastian, Spain, or possibly Shanghai. IAJ will include in next agenda

Action: IAJ

14. RESIDUAL STRESS WORKSHOP 22-25 SEPTEMBER 2008, BRISTOL

This was also successful with 30 delegates (capped attendance), to be run again next year, which we will probably co-sponsor. IAJ will include in next agenda.

Action: IAJ

15. STRESS AND VIBRATION PROBLEMS IN POWER GENERATION

In AWL’s absence, PK reported that AWL has contacted two of the speakers but has not had success with two others. It is currently scheduled for April 2009 but will probably slip to June/July. Hopefully the programme, venue etc. will be more clear by January.

Action: PK to pursue

16. RESIDUAL STRAINS

IAJ will contact AK to determine whether this is on track to go ahead, confirm the status of the special issue of JSA, and discuss the date. It was **agreed** that if there is no further progress reported by next meeting it will not continue to appear on the agenda.

Action: IAJ

17. STRESS AND VIBRATION PROBLEMS IN RAIL TRANSPORT

JH has taken this over from JETP and now has a keynote speaker (Rod Smith, Imperial College) plus several other speakers. It is planned for the Easter vacation (23 March 2009) as a fully-serviced meeting at IOP HQ. JH will contact VS with a description of the event so he can give official approval as Chairman for the event.

JH needs to reconsider a more specific title, check date with EPSRC group Railway Research UK, and discuss developments with VS. He also needs to involve FAM and its member organisations via Jo Davenport and ASME.

Action: JH (title etc), CET/JH (FAM and constituents) and SK (ASME)

18. MODERN PRACTICE IN STRESS AND VIBRATION 8-10 SEPTEMBER 2009

JMB reported via speakerphone that over 100 papers have been received. There have been some system-related delays in getting acceptance notices out. She asks that people upload their responses to referees comments along with copyright forms and registrations along with their final papers. IOP will buy the BSSM webpage and run it in order to facilitate this workflow.

In terms of the reviewing process, JMB will allocate the reviewers herself (with Karen Holford handling JMB's own papers). The BSSM Young Stress Analyst event will take place at the conference, and the BSSM exhibition will take place on the middle day of the conference.

FAM will sponsor two poster sessions at the conference, two best poster prizes of £200 each. JMB proposes that SAVG sponsors a prize for the vibrations side for young vibration analysts. If we wish to validate our SAVG prize we will need to submit the proposal form to the GCC. PK will arrange the judging etc. of the award of the prize.

Action: VS, SP and IAJ to handle the validation of the prize; PK to manage other aspects.

JMB suggested that we decide the venue of the next MPSVA conference in 2012 at this stage so the next conference can be publicised well in advance. Subsequent discussion involved the following suggestions:

- London (noting that Olympics and Paralympics will have just taken place, which has its pros and cons)
- Oxford (both of these being attractive venues for international delegates)
- Dublin
- Durham
- Manchester
- Edinburgh
- Brighton

The balance of oral and poster papers was discussed; JMB is aiming for a vibrant and full poster session.

19. DAMAS, 3-5 AUGUST 2009

VS expressed his gratitude to HO for his efforts on this matter;

HO expanded on his emailed report on the number of papers etc., with papers from UK, China (50% of papers, but from a variety of institutions), Poland, elsewhere in Europe etc. HO also asked reviewers to review papers in a timely fashion.

It has been decided by the organising group that the next conference will be in Liverpool in 2011 organised by HO, subject to official approval at Beijing. Belgium has been suggested for 2013.

Action: HO to pursue.

20. X-RAY AND SYNCHROTRON MEASUREMENTS, late 2009

AM intends to carry on with organising this (despite his forthcoming move from Southampton University to Frazer-Nash). He has not yet managed to contact PT. The meeting is currently being discussed for end of 2009, AM will need to decide date, and possibly tighten up on title.

Action: AM to pursue.

21. OTHER FUTURE MEETINGS

VS will contact new members of the Committee (specifically PC) to encourage them to organise a meeting. The current list of possible future meetings is therefore:

- MOSS 2010
- Damping Materials 2010
- 2nd Int Conf Vibro Impact Systems (ICOVIS) January 2010 co-sponsored by group
- DAMAS 2011
- MPSVA 2012

22. ANY OTHER BUSINESS

SP suggested that we avoid lengthy reports on IOP business etc. and summarise these via a sheet of brief bullet points, in order to minimise the length of the meetings and provide a clearer end point to facilitate the arrangement of low-cost travel.

Action: those presenting reports on IOP business, specifically IAJ, VS and JH.

23. DATE OF NEXT MEETING

21 January 1.00pm at IOP HQ, aiming to finish 4pm, with an SAVG conference organising committee at 11.00am and a buffet lunch at 12.00.