

Meeting Minutes

ASME Tribology Division Executive Committee Meeting Monday, May 20, 2002 Hyatt Regency - Houston, TX Windowbox Room

In Attendance:

Edison Aulestia (Staff), Harvey Nixon (Chair), Andreas Polycarpou, Michael Bryant, Bill Marscher, David Brewe, Steven Schmid, Mike Kotzalas, Farrukh Qureshi, Hooshang Heshmat, Selda Gunzel, Said Jahanmir, Rick Cowan

Call-to-Order:

Observing the presence of a quorum, the meeting was called-to-order at 12:10PM (CDT) by Executive Committee (EC) Chair, *Harvey Nixon*.

Approval of Previous Meeting Minutes:

The minutes issued from the Executive Committee meetings of 22 October, 2001 (San Francisco) and 3 April, 2002 (teleconference) were unanimously approved, following a motion by *Steven Schmid* that was seconded by *Michael Bryant*.

1. Chair's Report

Harvey Nixon indicated that the ASME Tribology Division is in good shape with 534 primary members and a positive, healthy balance of funds in its custodial account. He noted that the Division is active internationally, serving as co-host of the 2005 World Tribology Congress. He reported that discussions concerning the reorganization of the ASME Council on Engineering (COE) are taking place, but that it is yet unclear as to how such change will affect the Division.

2. Treasurer's Report - See [Attachment I](#)

Rick Cowan submitted a summary of Division revenues and expenses for the period 1 July, 2001 to 20 May, 2002. He noted that the October 2001 Joint STLE/ASME Conference operated at a significant loss. The report was unanimously approved, following a motion by *Steven Schmid* that was seconded by *Farrukh Qureshi*.

3. Committee Reports and Plans

- Predictive Maintenance Technology (PdMT) Ad-Hoc Technical Committee
See [Attachment II](#) for report.

Bill Marscher indicated that his committee has been active in organizing conference sessions for COMADEM and STLE. Outreach activities have been identified to promote committee growth (e.g., membership drive, newsletter).

- International Coordination (ICC) Committee - See [Attachment III](#) for report.

David Brewe reported that his committee is being organized into five international regions for effective administration. The result will likely influence how awards will be given by the Committee and what they will be (viz., appreciation certificate vs. monetary gift). Committee member *Ben Bou-Said* will continue to survey the international community for ideas of use in improving Division conferences (to be forwarded to *Andreas Polycarpou*) and *Bo Jacobson* will continue to notify the Division membership of pending tribology-related conferences (to be forwarded to *Steven Schmid* for newsletter/web-site posting).

Edison Aulestia inquired as to what criteria is used to list a pending international conference on the Division's web-site. There being none, he suggested that the Division consider negotiating with conference organizers by exchanging the ASME web-site listing for a conference attendance list, proceedings, or free registration. Such an approach could be expanded to selling advertising through the Division's newsletter. *David* agreed to develop a guideline for publicizing international conferences. *Steven* agreed to assist given the result will likely affect all Division media.

- Research Committee on Tribology (RCT) - See [Attachment IV](#) for report.

Michael Bryant reported that the 10-12 December, 2001 workshop his committee organized on "Tribology Issues in Biology and Medicine" was a success with about 50 attendees. A report, summarizing the workshop, will be submitted to the *Journal of Tribology* for possible publication, and presented at the 2002 Joint ASME/STLE Tribology Conference. The committee is planning a Spring 2003 workshop on "Virtual Machinery," and a future survey on dry machining.

Michael indicated that bylaws continue to be developed for governing his committee and should be complete in early Fall 2002. In doing so, the RCT has voted to recommend that the ad-hoc technical committees no longer report to the RCT Chair. Given such a change will affect the Division's bylaws, *Michael* consented to submit a proposed amendment for addressing this matter to *Rick Cowan* for consideration by the Nominations and Oversight Committee.

Michael noted that his committee has nominated three candidates for the 2002 RCT Innovative Research Award. The recipient will be identified by 1 June, 2002 with notice given to the Honors and Awards Committee.

Upon being asked by the US Bobsled Committee to have the RCT support their design efforts, *Michael* inquired of the EC as to what assistance ASME could provide. *Selda Gunsel* suggested that this opportunity could be good for public relations. *Said Jahamir* indicated that financial assistance is unlikely, but that he would look into it as ASME Vice President of Research and Technology Development. *Michael* consented to forward documentation concerning the Bobsled Committee request to *Said* and *Edison Aulestia*.

**- Rolling Bearing Life Ratings Ad-hoc Technical Committee
See [Attachment V](#) for Report.**

Harvey Nixon indicated that members of the Committee conducted a March 2002 symposium on its new bearing rating life design guide for the American Bearing Manufacturers Association (ABMA). ASME will publish the guide when an evaluation of a computer program that complements it is completed.

- Magnetic Storage Ad-Hoc Technical Committee - See [Attachment VI](#) for report.

Andreas Polycarpou reported that despite poor attendance at the Magnetic Storage Symposium of the 2001 STLE/ASME Joint Tribology Conference, the Joint Conference Planning Committee has agreed to include the symposium in the 2002 ASME/STLE Joint Conference. Logistics and budget have yet to be determined.

- Honors and Awards Committee

Hooshang Heshmat announced that his committee has determined the nominees for the 2002 ASME Hersey, Newkirk and Peterson Awards and the Tribology Division Wilcock Award. He indicated that all relevant materials have been submitted to ASME International for review and approval.

Hooshang expressed concern that many of the nomination package requirements are impractical, and suggested that his successor become fully aware of them. Upon congratulating *Hooshang* for being named the recipient of the "ASME Edison Patent Award" for his work with foil bearings, *Said Jahanmir* recommended that the committee adopt operating guidelines to maintain procedural continuity from year-to-year. *Hooshang* consented to draft such a document before leaving office.

- Technical Expositions Committee - See [Attachment VII](#) for report.

Andreas Polycarpou reported that the Tribology Division will be participating at the 2002 ASME International Mechanical Engineering Congress and Exposition (IMEC&E) with two panel sessions to be held 20 November, 2002. *Andreas* inquired as to the possibility of offering support to panelists in financial need. EC discussion led to a consensus that panelists should participate at their own expense.

Andreas indicated that his committee has been active in evaluating proposed revisions to the Joint ASME/STLE Conference Rules and Operating Guide. He submitted a report to the EC (see [Attachment VIII](#)), recommending that the revisions be approved, and that the EC appoint an ad-hoc committee to assure that the Joint Conference address the needs of the Division's membership. In reviewing the report, *Said Jahanmir* voiced opposition to the revision that transfers the power of nominating an incoming ASME member of the Joint Conference Planning Committee from the EC to the Vice-Chair of the Joint Conference Planning Committee. *Edison Aulestia* noted that a revision offering an optional society surcharge is no longer under consideration.

Given the complexity of the proposed guideline changes and the need to further discuss the issue of decoupling the *Journal of Tribology's* paper review process from the Joint Conference paper acceptance process, debate was suspended. It was determined by consensus that both issues be resolved by the EC through a separate meeting to be called by the Chair.

- Publications Committee

Steven Schmid encouraged the members of the EC to submit their news items to him for inclusion in the Division's newsletter. He asked if anyone was willing to contribute a brief technical article, to which *Said Jahanmir* suggested contacting *Vern Wedevan*.

- Membership Committee

With no report submitted by committee chair *Crystal Heshmat*, *Harvey Nixon* consented to contact *Greg Sawyer* to inquire if he would be willing to assume the role of Membership Committee chair for 2002-03.

- Education Committee - See [Attachment IX](#) for report.

As reported, the Education Committee has i) developed a questionnaire to determine how tribology is taught at US academic institutions, and ii) developed a list of plausible educational courses or products addressing membership needs. For the former, *Edison Aulestia* indicated that the ASME staff has completed an online web-based survey from material provided by *Kyriakos Komvopoulos*. Mechanical Engineering department heads and other leaders within the academic community will be directed to the survey via email sent by ASME. With respect to the latter, *Edison* volunteered to review the list with ASME staff and notify *Kyriakos* as to which of the project suggestions should be further developed.

4. Action Items

- Joint ASME/STLE Conference Survey

Farrukh Qureshi reported that an online web-based survey has been developed with ASME assistance to i) investigate what the membership thinks about the Joint ASME/STLE Tribology Conference, and ii) generate ideas for improvement. E-mail has been sent to the Division members and past conference attendees to direct them to the survey. Results are expected to be compiled and available for review by the end of June 2002.

- World Tribology Congress 2005

Harvey Nixon reported that planning of the World Tribology Congress (WTC) is underway with STLE's *Ed Salek* working with ASME's *Edison Aulestia* in developing business, marketing and financial plans. A breakfast was held at the 2002 STLE Annual Meeting to collect the thoughts of the international tribology leadership in this effort.

Harvey announced that the WTC would be managed by an oversight committee that will include two members from STLE and two members from the Division. Upon reviewing potential candidates for the two ASME positions, *Rick Cowan* and *John Tichy* were appointed to the committee upon unanimous EC approval following a motion by *Michael Bryant* and seconded by *Steven Schmid*.

- ASME Council on Engineering (COE)

Edison Aulestia reported that plans to reorganize the COE are moving forward. *Said Jahanmir* indicated that the Division must be vigilant to avoid any negative outcomes that could affect it from such change, including financial. Upon further discussion, the EC reached a consensus that an ad-hoc committee should be formed to monitor the COE reorganization. *Harvey* consented to serve as Chair of the three-member ad-hoc committee, which will include *Andreas Polycarpou* and a member of the Division's Nominations and Oversight Committee (NOC). *Said* indicated that he would submit a name to *Harvey* upon discussion with the NOC.

- Estate Contribution to ASME Foundation

Rick Cowan inquired of *Edison Aulestia* as to what should be done by the EC with respect to a 29 April, 2002 e-mail that *Edison* had sent informing the EC members that an ASME Fellow had committed a significant financial gift to the Division through the ASME Foundation as part of an estate plan. *Edison* responded that nothing needed to be done by the EC at this time.

- Basic Engineering Technical Group Operating Board (BETGOB)

Harvey Nixon reported that ASME's BETGOB had asked for names of potential speakers for ASME regional meetings. *Said Jahannmir* suggested that *Vern Wedevan* be considered. With EC agreement, *Harvey* indicated that he would submit *Vern's* name to BETGOB.

Adjournment:

There being no additional business, the Executive Committee adjourned at 3:35PM (CDT) following a motion by *Steven Schmid* that was seconded by *Rick Cowan*. The Chair will call the next meeting, planned as a teleconference before the 2002 Joint ASME/STLE Tribology Conference in Cancun, Mexico.

Respectfully submitted,

Richard S. Cowan
Secretary/Treasurer
ASME Tribology Division

Attachment I

**ASME Tribology Division
Treasurer's Report**

Opening Balance (July 1, 2001)		\$81,852.63
Revenue		
Investment Income	1,833.02	
Total Revenue	<u>1,833.02</u>	1,833.02
Expenditures		
October 2001 Joint Conference	9,262.15	
IMEC&E 2001	370.00	
ASME Foundation (2000-01)	1,000.00	
ASME Foundation (2001-02)	1,000.00	
World Tribology Congress		
Vienna - Travel for 2005 Bid	1,548.14	
ASME/STLE Exhibit	2,615.75	
Total Expenditures	<u>15,796.04</u>	(15,796.04)
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Ending Balance (May 20, 2002)		\$67,889.61

Respectfully submitted,

Richard S. Cowan
Secretary/Treasurer

Attachment II

Mid-Year Report of the ASME Predictive Maintenance Technology Committee of the ASME Tribology Division

STLE Annual Meeting, Hyatt Regency Houston TX, May 20, 2002

PdMT Committee Agenda 2001/ 2002

- A. COMADEM Dec. 2001 in New Orleans
- B. STLE CM-2002 Symposium Short Course in Feb 2002 at Dallas
- C. Technology Provider/ User/ Funder Discussion Session at Comadem
- D. Three Joint "Improving Machinery Reliability" Sessions with STLE
Seals Technical Committee at May 2002 STLE Annual Meeting in
May 2002 in Houston
- E. Cooperation with STLE Seals Technical Committee Re: Reliability
Standards & Certification
- F. Continued Membership Drive
- G. Committee Newsletter

2002 Chair:

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2002 Vice-Chair:

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2002 Secretary:

Richard Cowan, Ph.D., P.E.
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Ideas for PdMT Committee Improvement and Growth

(Based on Feb 19, 2002 Officer's Meeting)

1. Electronic Education (Intro & Intermediate)
2. Tape a Short Course
3. Have a Workshop with a PdMT Focus
4. Special Publications
5. Magazine Articles
6. Strong Role in WTC 2005
7. Membership Drive & List Update
8. Make Regular Contributions to ASME Tribology Division Newsletter
9. Construct a PdMT Committee Webpage
10. Collaboration with Other ASME Committees (Design, Turbo, Power Engrg, etc.)

Attachment III

Report of the International Coordination Committee (ICC) TD Executive Committee Meeting, May 20, 2002 HYATT REGENCY HOUSTON

Mission

This committee is responsible for coordinating international activities of the TD and promoting collaboration among the international Division members. The functions of this committee are to:

- a) Create a link between international members of ASME in tribology,
- b) Generate a forum for exchange of ideas and new knowledge in tribology and related areas,
- c) Set up a mechanism for regional workshops, short courses and education activities,
- d) Seek collaboration on funded joint research projects and workshops (in cooperation with the Research Committee of this Division,
- e) Increase the number of international members in the Tribology Division, f) Involve ASME members in international activities such as in the International Tribology Council, the OECD Wear Group VAMAS-Wear Standards group, etc.

Activities

The ICC has established "Regional Committees" to more effectively coordinate international activities and promote collaboration among the international ASME TD members. Five regions outside of the North American continent were selected based upon a "near-even membership distribution", ie.:

- (1) South America
- (2) Asia
- (3) Middle East and Africa
- (4) Europe
- (5) Australia and New Zealand

We have been actively pursuing members to head the various regional committees. To date, we have received the willing support of two distinguished members: (1) Prof. Jean Frene from the University of Poitiers in France to lead the European region, and (2) Prof. Kuniaki Dohda from Gifu University in Japan to lead the Asian and Pacific Rim region.

Ben Bou-Said (Secretary ICC) has been working with Rick Cowan (former webmaster and head, Technical Expositions) to solicit ideas from the international members to improve the ASME/STLE joint conference so that it can be a more meaningful experience for attendees. Dr. Bou-Said solicited more than 360 researchers in the field of tribology and received at last report 106 responses. With the help from Rick Cowan, the survey was extended to all TD members on the TD web site (see "Contact Us"; <http://www.asme.org/divisions/tribology/contact/index.html>) but was not restricted to the joint conference. The results from Ben's survey have been included with those being received from the web page.

In another activity with the Division's web master, Prof. Bo Jacobson has been serving as the ICC's representative to inform TD members of future Tribology activities and international conferences on the TD's web page.

ICC Officers:

CHAIR:

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VICE-CHAIR:

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SECRETARY:

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Attachment IV

Report to TD EC from the Research Committee on Tribology (RCT)

Chair: M. D. Bryant

May 20, 2002

▪ Workshops

- Workshop held Dec. 10-12, 2001 "Tribology Issues in Biology and Medicine", at Argonne Labs. 48 attendees from engineering, biology and medicine. RCT Chair will submit report to JOT, and T. Blanchet will request slot at Cancun for overview presentation.
- Workshop "Virtual Machinery" planned for Spring 2003. Organizers are Nelson Forster and Farshid Sadeghi.

▪ Formation of Bylaws

- Chris DellaCorte drafted and presented to RCT (5/19/02) his strawman of proposed RCT bylaws. Suggested changes from RCT members should make bylaws conform with ASME and TD, and make RCT workable. Target for final bylaws: early Fall 2002.

▪ Ad-hoc Technical Committees

- RCT voted to recommend that TD EC oversee ad-hoc technical committees. Committees currently report to RCT Chair, who collects reports and submits to EC Secretary.

▪ Innovative Research Award

- 3 candidates nominated for 2002 award. RCT will vote via e-mail. Results by June 1, 2002 to Awards Committee.
- In future, RCT will nominate candidates at Joint ASME/STLE Conference.

▪ Sports Application

- RCT was contacted by US Bobsled for help. RCT questioned whether mechanism of support and cooperation was possible.

- Nominated RCT Chair candidate Tim Ovaert would like to survey dry machining, but without a workshop

▪ Membership

- Former Chair H. Heshmat retired. Present Chair M. Bryant retiring. New members to be nominated.

Attachment V

Life Ratings for Modern Rolling Bearings

The Technical Committee on Life Ratings for Modern Rolling Bearings is in the final stages of publishing a Design Guide to calculate the integrated stress-life factor for bearing life ratings. The intent of the Design Guide is to provide a common methodology for calculating bearing life, containing the most recent technology in a consistent user-friendly format. The methodology is directly applicable to the new ISO 281 standard published in February 2000. Key members of the committee conducted a symposium in March 2002, sponsored by the American Bearing Manufacturers Association, where they presented a summary of the Design Guide and its associated computer program to users throughout the bearing industry. The Design Guide addresses competing surface and subsurface failure modes, lubrication and contamination effects and material fatigue stress limits, for all the common types of ball and roller bearings. Final correlation of the computer program is currently underway over a wide range of service applications. For additional information on this effort, please contact Roger Barnsby at barnsbrm@pweh.com .

Roger Barnsby, Chair

Attachment VI

Magnetic Storage Ad-Hoc Committee, ASME Tribology Division

Activity Report October 2001 to May 2002

May 20, 2002, Hyatt Regency Houston, Texas

Magnetic Storage Committee Membership (2001-2002):

C. Singh Bhatia, IBM, Chair.

Kyriakos Komvopoulos, UC-Berkeley, Vice-Chair.

Andreas Polycarpou, University of Illinois at Urbana-Champaign, Secretary.

The magnetic storage industry is still shrinking and faces financial difficulties. This was one of the reasons that attendance at the 2001 Symposium was down to 45-50 (from about 100 the previous year in Seattle). Nevertheless, the symposium was considered successful as it is now established as a premiere event of magnetic storage tribology.

As for the organization of the 2001 symposium, the CPC fully incorporated the symposium as part of the conference, which alleviated many logistical problems. However, the CPC did not allow separate registration for the symposium. Unfortunately, this hindered attendance by additional researchers from the magnetic storage community (local to San Francisco area).

For this coming year (2002 Cancun), we are planning a half-day symposium during the conference (preferably on Monday). The CPC agreed to allow the symposium to take place. As for the format it is planned to have 6-8 invited speakers as well as contributed extended abstracts to be presented in posters (due to the limited time that we have). All invited talks and extended abstracts will be published into a proceedings volume by ASME. There are some details that need to be worked out with CPC.

New members expressed an interest to take an active role in the committee. Specifically, Dr. Mike Suk of IBM and Dr. Yia-Tee Hsia of Seagate Research are co-organizers of the Symposium in Cancun.

This past year we have been discussing possible additional events to attract more researchers from Magnetic Storage. This involves organizing specialized workshops and symposia that target specific subjects. Such events will be best co-organized with other societies, such as the National Storage Industry Consortium. Further discussions will take place in Cancun.

Finally, new elections will be held in Cancun for new officers.

Respectfully Submitted,

Andreas A. Polycarpou

Secretary, Magnetic Storage Committee

Attachment VII

Technical Expositions Committee, ASME Tribology Division

Activity Report October 2001 to May 2002

May 20, 2002, Hyatt Regency Houston, Texas

Technical Expositions Committee (TEC) Membership (2001-2002):

Andreas Polycarpou, University of Illinois at Urbana-Champaign, Chair and EC member.

Hugh Spikes, Imperial College, senior member of the Conference Planning Committee (CPC)

Singh Bhatia, IBM, senior member of the CPC (replaced by Thierry Blanchet, Rennselaer Polytechnic Institute in January 2002).

Tim Ovaert, University of Notre Dame, representative from RCT.

Andres Soom, University at Buffalo, member.

Izhak Etsion, Technion, member.

1. There was one change in the TEC membership due to a rotating-down of Dr. Singh Bhatia in the Conference Planning Committee. The new member of TEC is Terry Blanchet.
2. The chair of TEC (along with H. Nixon and F. Qureshi) attended the ASME Technology Executives Conference in Houston in March 12-13, 2002. There was a lot of discussion about changes that are happening and are about to happen at ASME to reflect the changing needs of its membership. This may also mean regrouping of ASME divisions, groups, institutes etc.
3. **IMECE 2001:** Due to the tragic events of September 11, 2001, one of the sessions (Trib-1: Enhancing Bearing Design Through Life Rating Innovation) was cancelled. Trib-2: SESSION TRIB-2 "Impact of Tribology on Emerging Technologies" was conducted with minor changes as follows:
 - Chair: Andreas Polycarpou, University of Illinois
 - Advanced Manufacturing: Said Jahanmir, National Institute of Standards & Technology
 - Nanotechnology: Jorn Larsen-Basse, National Science Foundation
 - Biotechnology: Thierry Blanchet, Rennselaer Polytechnic Institute
 - MEMS: Kyriakos Komvopoulos, UC-Berkley

About 25-30 people were present at the panel session with a good discussion at the end.

4. **IMECE 2002:** As with the last few years, 2 sessions were requested and secured. Both sessions will be held on Wednesday, November 20th. The first panel will be at 7:45 am, and the second one at 11:15 am. The first panel will be the panel that was cancelled last year:
 - TRIB-1: Enhancing Bearing Design through Life Rating Innovation

Sponsored by Modern Rolling Bearings Life Ratings Committee
Chair R. M. Barnsby, Pratt & Whitney Aircraft

The second panel will be on nanotribology:

TRIB-2: Nanotribology

Chair: Kathryn J. Wahl, Naval Research Laboratory

Kathy agreed to organize the panel, and she would like to have 4 panelists to cover the areas of MEMS, nanotribology experiments, nanotribology theory, and a fourth from either the first or second category. However, these panelists do not usually come to IMECE, and she requests to offer \$500 support per panelist and a registration waiver. I personally believe that a panel on nanotribology at the IMECE 2002, which also has a main theme of nanotechnology, will give good visibility to our division, and thus I recommend we offer support to the panelists that they need it. (ACTION REQUIRED).

5. The main activity since October was the study of the revised "Conference Rules and Operating Guide" that govern the ASME/STLE International Joint Tribology Conferences. See separate document.

Respectfully Submitted,

Andreas A. Polycarpou

Chair, Technical Expositions Committee

Attachment VIII

Technical Expositions Committee, ASME Tribology Division

Recommendation in Regards to “Conference Rules and Operating Guide” that govern the annual International Joint Tribology Conferences (IJTC)

May 20, 2002, Hyatt Regency Houston, Texas

Technical Expositions Committee (TEC) Membership (2001-2002):

Andreas Polycarpou, University of Illinois at Urbana-Champaign, Chair and EC member.

Hugh Spikes, Imperial College, senior member of the Conference Planning Committee (CPC)

Singh Bhatia, IBM, senior member of the CPC (replaced by Thierry Blanchet, Rennselaer Polytechnic Institute in January 2002).

Tim Ovaert, University of Notre Dame, representative from RCT.

Andres Soom, University at Buffalo, member.

Izhak Etsion, Technion, member.

Preamble

The Technical Expositions Committee was charged to examine the revised “Conference Rules and Operating Guide” that govern the annual International Joint Tribology Conferences (IJTC), and offer suggestions to the Executive Committee (EC) of the Tribology Division for approval. The TEC first discussed the existing and revised rules in a meeting during the STLE-ASME conference in San Francisco (October 2001). Since then, I the chair of TEC obtained input from the committee members as well as several other people. However, the opinions and suggestions below reflect my own opinions and have not been formally discussed or approved by the TEC. Thanks to those that provided input to my requests.

Summary

The International Joint Tribology Conferences (IJTC) have been quite successful, generating significant funds for the custodial account of ASME TD (and STLE). However, during the last several years, conference attendance has been declining and revenues not just diminished but “significant” losses incurred as well. Different reasons for deteriorating IJTC have been offered and some of them, as I understand them are summarized below:

- (a) Difficult financial times for industries and institutions.
- (b) Increased number of tribology-related conferences.
- (c) The structure of the IJTCs and the way they are run do not offer sufficient flexibility for the organizers and the societies to seek “novel” methods to attract more attendees.
- (d) Not so perfect organization and planning of the conferences.
- (e) Miscommunication between societies, organizers, members etc.
- (f) Not enough return for the money (high registration fees).

I personally feel that the new rules have to be looked with the above comments in mind. I think that the rules are originally written (and recently revised) to reflect past and current practices of the IJTC. Below, specific suggestions on the revised rules are offered (recommendation A). However, these suggestions should be considered as an intermediary step that will allow the IJTC to continue running the conferences in the same mode as have been in the past. It is also suggested that the EC of the Tribology Division appoints a committee to reevaluate the overall structure and “way of doing business,” as far as the IJTC is concerned (recommendation B). Recommendation B is particularly timely in view of ASME’s proposed changes (refer to the 2002 Technology Executives Conference, Houston, Texas). The TD may want to consider having a more direct and active role in organizing such conferences. This will enable the division to respond to the changing needs of its members more quickly and swiftly. Also, the issue of “too many tribology conferences” has been raised again, and perhaps this is the time to reconsider it as well. Should there be a Joint Tribology Conference with STLE as well as additional societies. It is my understanding that this same issue was discussed in the EC numerous times in the past. Lastly, it is the important issue of our prestigious JOT and it’s coupling to the conference. The JOT editor feels very strongly that “it’s a completely unrealistic work load in the time frame - to get archival reviews in a three month period. I think it should run like any other ASME conference - the planning committee appoints session chairs, the session chairs get reviews for the papers in their sessions (as detailed as they like), a preprinted book or CD is available at the conference. The quality can be as high as the Conference wants it to be by enforcing review standards.” Note that among the 35 ASME Technical Divisions, TD appears to be the only division that couples the Journal to the conference.

Specific comments and recommendations on the revised “Conference Rules and Operating Guide.”

The rules are well written to reflect current practices. In general, I find that the way the CPC is set-up, it somewhat hinders effective communication between the CPC, ASME TD, and STLE. The rules may also limit the division and its constituency in more actively participating at the conference since approvals have to go through the CPC.

Suggested Specific Revisions:

1. Change the front page and throughout the text to refer to the name of the conference as “International Joint Tribology Conference” (IJTC), as per recent announcements.
2. The document (Conference Rules and Operating Guide) is referring to Chairman and Vice-Chairman. Perhaps more appropriate will be to use the terms of Chairperson and Vice-Chairperson.
3. Item 4: State that the ultimate decision (approval) on selecting the location of the conference lies with the society (and not the chairperson of CPC).
4. Section 5.2: State that the liaison between chair/vice-chair and ASME TD is the Chair of the Technical Expositions.
5. Sections 5.3 and 5.6: As it reads the Vice-Chairperson nominates the incoming new committee member (and the most senior member for cases of resignation). State that the nomination has to be approved by the respective society. Note that this is different to what it was done last year, where TD selected the incoming committee member.

6. Sections 5.6, 5.7: The Chair of TEC should be an ex-officio non-voting member of the CPC. Thus it can attend any of the CPC meetings at his(her) discretion, without needing approval by the CPC chairperson. This will enable better communication between EC TD and CPC.
7. Section 6.2: This section should be more general for cases where the symposium or panel organizers may also want to carry review of the papers presented in that symposium (as it has been the case with the magnetic storage symposia, 1999-2001).
8. In case of resignation, “non performing” and rotating-down of a CPC member, approval by the respective society should be obtained.
9. Section 8 (Finances): The Lead Society has the option to add a surcharge? It is my understanding that this comes from ASME sponsored conferences where divisions can add a surcharge that goes directly to their custodial accounts and not to ASME. It is recommended to remove this statement since the IJTC is not going through ASME headquarters. An important question is the financial responsibility of the CPC, especially when the societies are losing money. If disagreements between the Lead society and the CPC arise in regards to potential loss of revenue, then the Lead society (and co sponsoring society) should prevail.
10. When either society wishes to organize a symposium or other event the day before or after the main conference, then the CPC and Lead society should provide assistance with registration etc, however, it should also be allowed to have a separate registration fee for the event. The preferred structure of such an event is that it will be an integral part of the conference, so that it is open to the regular conference attendees (no extra registration fee for the regular attendees). In addition, in order to maximize attendance, involvement and profits, separate registration fee will also allow attendance from people that will not normally come to the main conference. This will be very beneficial when the event is organized to target a tribology sector that has a strong presence at the location where the event is taking place. Note that the last 3 years a Magnetic Storage Symposium was organized by the Ad-hoc Magnetic Storage Committee of ASME TD, and only in 1999, separate registration fee was allowed. Such an event should not be part of the rule that “the conference shall not have more than approximately one third of its content in this format” (section 6.2). “This format” is referred to special sessions.
The main objective this recommendation is that it will enable both societies to organize special events to target specific tribology sectors and satisfy its membership, without having to organize a completely different stand-alone “conference.” Such events are particularly attractive with emerging and not well-established (traditional) tribology related technologies. Furthermore, the IJTC will also benefit since it will provide more for the regular attendees (more for the money), without having to deal with the logistics and organization of the event. Lastly, such successful events will also increase profits for the societies.

Recommendations

- A. Approve the revised guidelines with the ten (10) proposed changes listed above: As an immediate step, it is recommended that the revised guidelines are approved after the proposed changes are addressed. This will enable the CPC to move forward in their planning of upcoming events.

- B. More importantly, it is recommend that the EC appoints a committee that includes EC members and others (ASME staff, the JOT Editor, past ASME IJTC chairs etc) to look into the overall structure of the IJTC, as well as the strategy that the TD may want to follow on how to best reach and serve its members, via conferences and other events. A suggestion that needs detail examination and has been floating around for some time is the possible consolidation of Tribology related activities, and perhaps the appointment of an organizing committee that may consist of members of all the societies and organizations that will participate in the IJTC and have its own independent budget. Also, the important issue of the coupling between the conference and the Journal will need to be addressed.

Respectfully Submitted,

Andreas A. Polycarpou,
Chair, Technical Expositions Committee

Attachment IX

Education Committee Report

The activity in the Education Committee evolved around two charges: (a) tribology survey at US academic institutions to determine how is tribology taught and what kind of research is pursued, and (b) identification of various educational products that would be of interest to the ASME membership interested on tribology.

A. Tribology Survey

The initial survey of the ASME membership having tribology as the primary or secondary preference was not conclusive due to the limited number of responses received from academic institutions. A new questionnaire has been prepared and is currently undergoing modification with ASME staff to produce questions that will more effectively reflect education and research in tribology at US academic institutions.

B. Educational Products of Interest to Membership

The following is a preliminary list of plausible projects anticipated to be of interest to the membership dealing with tribological issues. Consideration was also given to attracting interest from members in other fields, such as design.

- (1) Develop 3 introductory one-hour tapes covering the basics on friction, wear, and lubrication for the design engineer with a BS in mechanical engineering. The tapes should cover elementary practical material introducing the main issues and providing formulas for preliminary calculations.
- (2) Develop three-hour tutorials on topics of current interest (e.g., from traditional (macro/micro) tribology to contemporary (nano) tribology). The tutorial can be first presented at the Joint Tribology Conference, at which time it can be also taped. Each participant receives the tutorial material and TD maintains the rights for selling the tape after the meeting.
- (3) Organize one-day workshops on friction/wear standards and codes, troubleshooting, and friction/wear effects on design of machine elements.
- (4) Develop a series of tribology lectures (45 min each) on selected topics covering both fundamental and practical aspects. This is a long-term project that should involve several experts from our community. An ad-hoc committee will have to be formed to identify the content and individuals that will develop and teach each topic. The lectures will be available in parts or as a complete set on tapes. A discount promotional fee may be offered to members registering for the Joint Tribology Conference, where the tapes could be displayed and typical samples projected on a screen in the publication area.
- (5) Develop satellite-type one-day course(s) that can be offered bi-annually on new topics. A “small” Gordon-type conference is foreseen. The topics may be selected by surveying the membership by providing a tentative list. Again an ad-hoc committee will determine the final agenda and presenters.

Respectfully submitted,
K. Komvopoulos, Chair
TD Education Committee

**ASME Tribology Division
2001-2002 Action Register**

Responsibility	Item #	Description	Start Date	Targeted Completion Date	Status
C. Heshmat Membership Committee	00-01	Develop newsletter/ mailing for prospective Division members.	10/00	05/01	open
K. Komvopoulos Education Committee	00-02	Survey how tribology is being taught at US universities.	10/00	05/01	open
H. Nixon Executive Committee	00-03	Develop with webmaster an electronic list-serve for members.	10/00	05/01	open
R. Barnsby/H.Nixon Executive Committee E. Aulestia ASME Staff	00-04	Release materials from Thurston Lecture (D. Dowson) for membership access.	11/00	05/01	open
R. Cowan Executive Committee	01-01	Submit proposed bylaw changes to NOC.	10/01	01/02	Completed 01/02
M. Bryant Research (RCT)	01-02	Clarify operating procedures of RCT. (RCT bylaws)	10/01	05/02	open
A. Polycarpou Technical Expositions	01-03	Review proposed Joint Conference operating guidelines.	10/01	05/02	Completed 05/02
A. Polycarpou Technical Expositions	01-04	Advise if JOT paper review process should be decoupled from Joint Conference acceptance process. If so, define Joint Conference guidelines.	10/01	05/02	open
K. Komvopoulos Education Committee	01-05	Provide at least (5) ideas for educational products of interest to membership.	10/01	05/02	Completed 04/02
H. Nixon Executive Committee	01-06	Contact Chairs of International Coordination, Membership, and Honors & Awards Committees for progress, plans and level-of-interest.	10/01	10/01	Completed 05/02
F. Qureshi Ad-hoc Committee	01-07	Investigate if Joint Conference is in decline.	10/01	05/02	open
S. Schmid Publications Committee	01-08	Publish Division newsletter.	10/01	06/02	open
A. Polycarpou Technical Expositions	01-09	Identify the number of technical sessions allocated for IMEC&E 2002 and plan accordingly.	10/01	11/02	Completed 05/02

S. Schmid Publications Committee	01-10	Identify candidate for Division webmaster.	10/01	05/02	Completed 04/02
D. Brewe Intl. Coordination	01-11	Develop criteria for endorsing/listing International Tribology Conferences on Division website.	05/02	10/02	open
M. Bryant Research (RCT)	01-12	Submit proposed amendment of Division bylaws to EC addressing management of ad-hoc technical committees.	05/02	10/02	open
H. Heshmat Honors/Awards	01-13	Author guideline listing responsibilities of the Honors/Awards Committee with ASME nomination package requirements.	05/02	06/02	open
H. Nixon Executive Committee	01-14	Call EC meeting to address revisions of Joint Conference Operating Guide and paper acceptance process.	05/02	10/02	open
H. Nixon Executive Committee	01-15	Identify 2002-03 Chair of the Division's Membership Committee	05/02	10/02	open
K. Komvopoulos Education Committee E. Aulestia ASME Staff	01-16	Propose plan to develop those products from list of 5 (Item #01-05) that ASME suggests are economically viable.	05/02	10/02	open
S. Jahanmir Nominations/Oversight	01-17	Submit name of NOC member to EC, who will serve on 3-member ad-hoc committee designed to monitor reorganization of COE.	05/02	10/02	open