

Applications Committee
Updated Spring 2005 by TD Chair

1.0 Name

The name of this group shall be the Applications Committee. The SEM Bylaws mention the Applications Committee as a major standing committee. It was formed in 1962 from two smaller committees responsible for a library and catalogue of equipment.

2.0 Purpose

The committee is to assure a forum is provided for those individuals in the field of Experimental Mechanics doing the work on a more practical level than pure research. These are individuals who need as well as provide answers and techniques that are basic and not once removed from the problem solution.

3.0 Officers & Duties

3.1 **Chair** - The committee shall have a Chair who is appointed by the SEM President-Elect. The Chair customarily serves a two-year term. The Chair is a member of the Technical Activities Council, TPPC, and ET Advisory Group. The Chair shall inform committee members of meetings, issue meeting minutes, write semi-annual report, assist with organizing Application sessions at SEM national meetings, act as 2nd technical editor of E/T, and record minutes of E/T Editorial Committee meetings. The Chair attends the National Meetings Council.

3.2 **Vice-Chair - 1st** - The Vice-Chair shall be appointed by the Chair. The Vice-Chair assists the Chair with Application Committee meetings, assists with organizing Application sessions at SEM national meetings and acts as 3rd technical editor for E/T. The Vice-Chair also acts for the Chair when the Chair is absent, and moves to this position when the Chair's term is expired.

3.3 **Vice-Chair - 2nd (or Secretary as needed)** - The Vice-Chair shall be appointed by the Chair. The Vice-Chair shall coordinate all subcommittee activities for the Application Committee and ensure that the Chair is kept informed on the subcommittee progress. The Vice-Chair assists the Chair in writing the semi-annual report concerning subcommittee activities. The Vice-Chair MAY move to the position of the 1st Chair at the expiration of the 1st Vice-Chair's term if the individual so chooses.

3.4 **An Executive Board Representative** shall be appointed by the President-Elect from at-large Executive Board members and shall serve two years.

4.0 Membership

The general membership of the committee is appointed by the Chair and shall include members representing all fields of Experimental Mechanics including vendors and users with the positions in education, industry and government.

5.0 Activities

The activities of the Applications Committee emphasize the use of existing technology for the solution of practical problems in experimental mechanics:

National Meeting Sessions - The Chair and Vice-Chair review abstracts and extended summaries of application papers submitted for presentation at national meetings. The accepted papers are then organized into applications sessions. The Application Committee also coordinates with the application sessions developed by the technical committees. Activities concerned with the solicitation and coordination of papers for presentation at meetings are to be handled in a matrix fashion across Council lines by direct coordination with

the Technical Program Planning Committee as shown in the Flow Chart (Figure AC-1) and as specified in the procedures section of this book.

Experimental Techniques Editorial Committee - The committee is responsible for the development of this publication. Under the direction of the past Chair, Chair, Vice-Chair, Publisher and Managing Editor of the society, articles are solicited, reviewed and organized for publication. This activity is conducted via the structure of the E/T Editorial Committee as specified in section 3.2 of the Organization Handbook.

SEM Technical Procedures and Standards - The Applications Committee identifies and develops SEM recommended standards, procedures, and guidelines for experimental mechanics. For example, the Committee proposed the strain gage terminal color-coding scheme, which became the first SEM/ANSI Standard. A subcommittee conducted a round-robin test program using a standard SAE keyhole fatigue specimen. Laboratories throughout the United States participated to provide confidence bands for strain gage readings. Another subcommittee is constructing a Buyer's Guide listing sources for experimental mechanics equipment.

