

## **Education Committee**

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### **1.0 Name**

The name of this group shall be the Education Committee.

### **2.0 Purpose**

The primary responsibility of the Education Committee is to provide a forum for growing the membership of the Society in the areas of EM/ET Education, Training, and Publications as well as determine novel topics and tutorials not covered by other committees but beneficial to the SEM as a whole to be presented at SEM National Meetings. The Education Committee is a standing committee in the SEM organization, responsible to the Executive Board through the Technical Scope Council.

### **3.0 Organization**

3.1. **Chair** - The Education 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 Program Planning Committee. The Chair attends the National Meetings Council, the Editorial Council and the Technical Activities Council. The Chair is responsible for organizing the Education Sessions for SEM National Meetings.

The Chair shall inform committee members of times and places of meetings, prepare agendas and conduct the business at said meetings.

#### **First year of tenure:**

Coordinates workshops and develops education sessions for National Meetings.  
Coordinates all other activities of the Committee.  
Informs members of times and places of meetings.

#### **Second year of tenure:**

Develops education sessions for National Meetings. Coordinates all activities of the committee.  
Informs members of times and places of meetings.

3.2. **Vice-Chair** - The Vice-Chair of the Education Committee shall be appointed by the Chair of Education. The Vice-Chair shall work actively with the Chair in organizing the Education Sessions for SEM National Meetings and act for the Chair in their absence.

The duties of the Vice-Chair include:

#### **First year of tenure**

Initiates plans for future education sessions at National Meetings.  
Assists Chair in other committee activities.

#### **Second year of tenure**

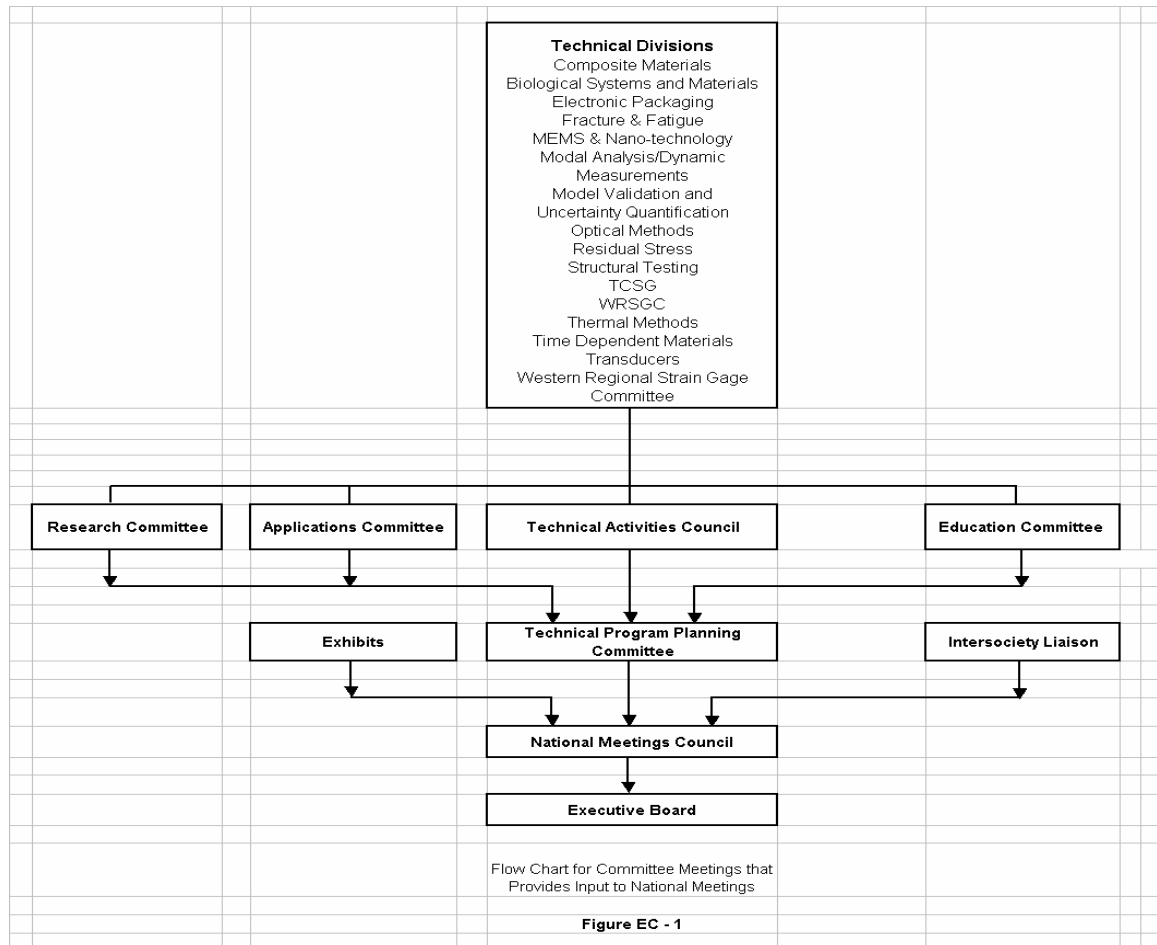
Coordinates workshops and assists Chair in other committee activities.

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

3.4 **Committee members** - Committee members are appointed by the Chair. They help establish and assist in accomplishing the goals of the Education Committee.

3.5 **Local Workshop Committees** - Local Workshop Committees are sub-committees of the Education Committee. Their specific duties and responsibilities are given in the SEM Workshops Manual.

3.6 **Sponsoring of Sessions** - 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 EC-1) and as specified in the procedures section of this book.



## 4.0 **Activities**

### 4.1 **Past Activities**

#### **Education Publications:**

**Manual on Experimental Stress Analysis [Now called Handbook on Experimental Mechanics]**- In the period from 1962 to 1965, the chief activity of the Education Committee was editing the second edition of the manual. In the process of being updated (2004).

**Education Papers for EXPERIMENTAL MECHANICS** - All education papers submitted to the Journal for publication consideration were reviewed by the committee. The "Papers Review" Committee took over this responsibility in 1975.

**Educational Aids** - Aids were provided to local sections to help them plan and conduct short courses at the local level.

**Short Courses** - The committee was to review and thus endorse short courses at Universities. This function was discussed, but never activated.

**Speakers for Local Section Meetings** - A list of speakers was provided by the committee to local sections. At a later date, the list of speakers was replaced by a list of recommendations on how to obtain speakers for local section meetings.

4.2 **Activities.** The activities of the Education Committee focus on the presentation of Education and Training materials at SEM National Meetings and include:

4.2.1 **National Meeting Sessions** - The Committee, under the direction of the Chair, reviews abstracts and extended summaries of education papers submitted for presentation at National Meetings. The accepted papers are then organized into appropriately related education sessions. The Education Committee also coordinates the research level sessions sponsored by the technical committees. The Committee works with the Technical Program Planning Committee in organizing the technical program of National Meetings.

4.2.2 **Technical Scope** - The Committee periodically reviews the education work going on in the field of experimental mechanics and determines that the papers received, for presentation at National Meetings, are representative of new, innovative education efforts. If a particular area is not being covered on the program at National Meetings, the committee can take action to determine why this is happening. The Committee can then recommend a course of action that might be taken to alleviate the discrepancy.

#### 4.3 **Possible Future Activities**

**Education Sessions and Workshops** - Continue current activities.

**Standards** - Prepare a standard for terminology, symbolism, notation, and usage applicable to the field of experimental mechanics. Encourage educational institutions, authors and publishers to adhere to the standard.

**Syllabi** - Develop model course outlines, suggested experiments, procedures lists of required equipment and supplies for teaching experimental mechanics or stress analysis at technology and engineering levels.

**Material Properties** - Compile and publish material property data applicable to experimental stress analysis.

**Publications** - Initiate a publication similar to "Experimental Techniques" but devoted to the educational aspects of experimental mechanics.

Publish notes from education sessions at National Meetings.

Provide a list of references related to various areas of experimental mechanics.

**Speaker Evaluations** - Conduct evaluation of technical session speakers at National Meetings.

### 5.0 **Related Publications**

5.1 Workshops Manual.