

## **Society for Mathematics of Uncertainty**

### **MISSION STATEMENT**

The mission of the SMU is to advance mathematics of uncertainty and its applications in applied mathematics, computer science, engineering, social and physical sciences, government, business and industry.

The society's main interests are in education, research, professional development, and public awareness.

The goal of the society is to encourage mathematical research in the various areas of uncertainty. These include, but are not limited to, theories of evidence, random sets, rough sets, interval and imprecise probabilities, fuzzy logic, and fuzzy sets. The aim is to aid decision makers in making more effective models of systems dealing with the many kinds of uncertainty.

Uncertainty includes vagueness, impreciseness, incompleteness, ambiguity, and conflict. Especially the society promotes research in those areas of uncertainty where classical probability and statistics are not applicable.

The society supports learning in the mathematics of uncertainty by encouraging effective curriculum, teaching, and assessment. The society supports research, scholarship, and the exposition at appropriate levels and venues, including research by undergraduates. The society provides resources and activities that foster scholarship, professional growth, and cooperation among teachers, other professionals, and students. The society influences institutional and public policy through advocacy for the importance, uses, and needs of mathematics of uncertainty. The society promotes the general understanding and appreciation of mathematics of uncertainty. The society encourages students to pursue activities and careers in mathematics of uncertainty.

The society pursues these interests through programs, meetings, publications, and financial support.

The national headquarters of the SMU is located at The Department of Electrical Engineering, Duke University, Durham, North Carolina, 27708-0291, USA, % Paul Wang, Executive Director, email: ppw@ee.duke.edu

## **Society for Mathematics of Uncertainty Bylaws**

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## **Article I**

### **Officers**

**Section 1.** There shall be a president, a vice president, a secretary, and a treasurer.

## **Article II**

### **Board of directors**

**Section 1.** There shall be a Board of Directors consisting of ??? members, together with the president and the treasurer. Professor Paul P. Wang will serve as the Executive Director of the Board. Professor Wang will appoint the remaining directors including the treasurer.

**Section 2.** The function of the Board of Directors shall be to receive and administer the funds of the Society, to have full legal control of its investments and properties, to make contracts, and, in general, to conduct all business affairs of the Society.

**Section 3.** The Board of Directors shall have the power to appoint such assistants and agents as may be necessary or convenient to facilitate the conduct of the affairs of the Society and to fix the terms and conditions of their employment. The Board may delegate to the officers of the Society duties and powers normally inhering in their respective corporative offices, subject to supervision of the Board. The Board of Directors may appoint committees to facilitate the conduct of the financial business of the Society and delegate to such committees such powers as may be necessary or convenient for the proper exercise of those powers. Agents appointed, or members of committees designated, by the Board of Directors need not be members of the Board.

Nothing herein contained shall be construed to empower the Board of Directors to divest itself of responsibility for, or legal control of, the investments, properties, and contracts of the Society.

## **Article III**

### **Committees**

**Section 1.** There shall be two editorial committees as follows: Committees for the Newsletter and for the mathematics area of the journal, New Mathematics and Natural Computation.

**Section 2.** The size of each committee shall be determined by the Board of Directors.

## **Article IV**

### **Council**

**Section 1.** The Council shall consist of ????? members at large and the following *ex officio* members; the officers of the society specified in Article I.

**Section 2.** The Council shall formulate and administer the scientific policies of the Society and shall act in an advisory capacity to the Board of Directors.

## **Article VII**

### **Election of Officers and Terms of Office**

**Section 1.** The term of office shall be one and half years for the President, Vice-President, and Secretary of the Society. All terms of newly elected officers begin immediately upon their election. The Society will meet at every JCIS conference at which time the election of officers will be held.

**Section 2.** The positions of Treasurer and Executive Director, held by Paul P. Wang, shall be permanent positions to the time Professor Wang decides to retire from the position. Upon that time, the bylaws will be amended to determine how the position of treasurer and Executive Director shall be filled.

## **Article VIII**

### **Members and Their Election**

**Section 1.** Election of members shall be by vote of the Board of Directors.

**Section 2.** There shall be four classes of members, namely, ordinary, contributing, corporate, and institutional.

**Section 3.** Application for admission to ordinary membership shall be made by the applicant on a blank provided by the secretary. Such applications shall not be acted upon until at least thirty days after their presentation to the Council (at a meeting or by mail), except in the case of members of other societies entering under special action of the Council approved by the Board of Directors.

**Section 4.** An ordinary member may become a contributing member by paying the dues for such membership. (See Article IX, Section3.)

**Section 5.** A university or college, or a firm, corporation, or association interested in the support of mathematics may be elected a corporate or an institutional member.

## **Article IX**

### **Dues and Privileges of Members**

**Section 1.** Any applicant shall be admitted to ordinary membership immediately upon election by the Board of directors (Article VIII) and the discharge within sixty days of election of the first annual dues.

## **Article X**

### **Meetings**

**Section 1.** The meeting of the Society shall be held during every JCIS conference, ordinarily occurring every year and a half.

## **Article XI**

### **Publications**

The Society will publish a quarterly newsletter. The Society shall support the journal, *New Mathematics and Natural Computation*

## **Article XII**

### **Indemnification**

See Article XII of the by-laws of the American Mathematical Society.

## **Article XIII**

### **Amendments**

These bylaws may be amended or suspended on recommendation of the Council and with the approval of the membership of the Society, the approval consisting of an affirmative vote by two-thirds of the members present at a business meeting or of two-thirds of the members voting in a mail ballot in which at least ten percent of the members vote, whichever alternative shall have been designated by the Council, and provided notice of the proposed action and of its general nature shall have been given in the call for the meeting or accompanies the ballot in full.