

## AMS-SIAM Committee to Select the Winner of the Wiener Prize

### Committee Description

- Committee is joint and standing
- Number of members is usually three
- A new committee is appointed for each award. The award is presented by SIAM every third time

### Information

This prize was established in 1967 in honor of Professor Norbert Wiener and was endowed by a fund amounting to \$2,000 from the Department of Mathematics of the Massachusetts Institute of Technology. The prize began in 1970. The award is made jointly by the American Mathematical Society and the Society for Industrial and Applied Mathematics. The recipient must be a member of one of these societies and a resident of the United States, Canada or Mexico.

### Principal Activities

The award is made every three years at the Annual Meeting. The award is made for “an outstanding contribution to applied mathematics in the highest and broadest sense.” It is recognized that some of the best work in applied mathematics is accretive, so that there is no established time interval or single mathematical discovery necessarily associated with a particular award.

The Committee Recommends a winner. The award is approved by the Council of the AMS, approval being perhaps delegated to the Executive Committee, and by the Executive Committee of SIAM.

The award is supplemented by a Steele Prize from the AMS under the name of the Wiener Prize. This is a matter of no concern to the selection committee.

### Other Activities

#### Equal Opportunities for Women

The Business Meeting of the January 19, 1972 passed the following resolution:

Resolved that:

1. the American Mathematical Society will work actively for equal opportunities for women in the following areas:
  - A. employment at all levels: this will include the search for a recruitment of qualified women.
  - B. advancement and tenure in academic positions.
  - C. admissions to graduate schools.
  - D. graduate and postdoctoral fellowships and assistantships.

- E. membership on advisory boards and panels; and
- F. the Society will include more women on
  1. Society programs and panels, including invited speakers and section chairmen.
  2. Society committees and governing boards.

The Council of August 29, 1972 instructed the Secretary to call part two of the resolution regularly to the attention of individuals in charge of various parts of Society programs.

The Secretary proposes to do this by distributing this sheet from time to time as follows:

Colloquium Editorial Committee  
 Committee on Summer Institutes  
 Committee on Applied Mathematics  
 Organizing Committees for Institutes, Seminars, and Symposia  
 Associate Secretaries

He asks in turn that the Associate Secretaries see that their Section Program Committee and the organizers of informal sessions and chairmen of invited twenty minute papers receive copies.

**Miscellaneous Information**

The business of this committee can be done by mail, electronic mail, or telephone, expenses which may be reimbursed by the Society. An explanation of travel expense reimbursement of volunteers for this committee is attached. This committee has been designated at **LEVEL F**.

A call for nominations should be published in the 2 issues of the *Notices* prior to the committee's deadline. It should look something like this:

<p>Call for Nominations for AMS-SIAM Wiener Prize</p>
<p>The Selection Committee for the AMS-SIAM Wiener requests nominations for consideration for the 20xx Award. The Wiener Prize is awarded every three years at the Summer Joint Mathfests in years congruent to five. The award is made for “an outstanding contribution to applied mathematics in the highest and broadest sense.”</p>
<p>Nominations, with supporting information should be sent to _____, AMS Secretary,        _____ (address)_____.</p>
<p>The deadline for nominations is _____(date).</p>

### ***Note to the Chair***

Committee chairs should be informed, at the beginning of each fiscal period, the budget of their committees and cautioned to remain within the budget. Such items as travel reimbursement to, accommodations for, and meals for guests of any kind fall within these budgets.

Work done by committees on recurring problems may have value as precedent or work done may have historical interest. Because of this, the Council has requested that a central file system be maintained for the Society by the Secretary. Committees are reminded that a copy of every sheet of paper should be deposited (say once a year) in this central file. Confidential material should be noted, so that it can be handled in a confidential manner.

### ***Authorization***

*10/05/89; updated 3/91; 12/92; 3/94; 8/94; 3/95; 5/95; 8/09*

### **Past Committees**

<u>Year</u>	<u>Committee</u>
1970	Garrett Birkhoff, C.C. Lin, Stanislaw M Ulam
1975	Gustav A Hedlund, Jurgen K Moser, Robert D Richtmyer
1980	George F Carrier, Elliott W Montroll, Ralph S Phillips
1985	Paul R Garadebian, Louis N Howard, Gerald B Whitham
1990	Elliott H Lieb, Isadore M Singer, Stephen Smale
1995	Thomas Kailath, Peter D Lax, Jerrold E Marsden
1999	Hermann Flaschka, Ciprian Foias, Charles Peskin
2003	Alexandre J. Chorin, Martin Groetschel, Philip John Holmes
2006	Persi Deift, David Mumford, Stanley Osher
2009	James Glimm, Roland Glowinski, Nancy Kopell
2012	Jerry L. Bona, Roger Temam, Horng-Tzer Yau

### **Past Winners**

<u>Year</u>	<u>Winner</u>
1970	Richard E. Bellman
1975	Peter D. Lax
1980	Tosio Kato and Gerald B. Whitham
1985	Clifford S. Gardner
1990	Michael Aizenman and Jerrold E. Marsden
1995	Hermann Flaschka and Ciprian Foias
2000	Alexandre J. Chorin and Arthur T. Winfree
2004	James A. Sethian
2007	Craig Tracy and Harold Widom
2010	David L. Donoho