

Society for the Advancement of Material and Process Engineering
GLOBAL PRACTICE 1.9

TITLE: AKIO SHINDO MEMORIAL AWARD

SCOPE:

This practice governs all SAMPE units.

This document presents the rules to be followed and the basic requirements to be met for the selection of those who qualify for receipt of the SAMPE Akio Shindo Memorial Award.

PRACTICE:

- A. The Society for the Advancement of Material and Process Engineering hereby establishes the SAMPE Akio Shindo Memorial Award to provide recognition of individuals and group(s) who have meritoriously fostered the advancement of material and process technology and/or enhanced the attainment of the objectives of the Society.
- B. Nominee Requirements
 - 1. Nominees may only be individuals or may also be individuals who are part of a group(s) organized by any constituents belonging to a company, a research institute, a university, and so on. As SAMPE is an individual membership society, the intent is to recognize individuals and not the companies for whom they work.
 - 2. Nominees shall have already attained national or international name recognition in the materials and processes field of carbon materials.
 - 3. Nominees are *not* required to be a member or a former member of SAMPE.
 - 4. Nominees must have provided significant contributions to the field of materials and processes regarding carbon materials over a broad spectrum in at least one of the following ways:
 - a. Actively working in the technology and making important technological contributions;
 - b. Promoting the application of advanced materials and materials technology to research or hardware applications for an extended period of time; or
 - c. Supporting the carbon materials and processes community and fostering its objectives through legislative, education, or management actions.
 - 5. Examples of some significant contributions or achievements include but are not limited to:
 - a. Received national or international recognition via award from government, industry, or technical society.
 - b. Shown consistent and sustained high level of technical expertise in carbon materials or processes field as evidenced by authorship of technical publications and presentations and/or receipt of patents.
 - c. Elected chair, president or division manager of a major corporation.
 - d. Carried a major program to successful conclusion or introduced a new carbon material or process with high (demonstrated) expected usage potential to the carbon materials community (e.g., developed new process for carbon fiber production).
 - e. Promoted to the highest science/technical position of a major corporation (e.g., chief engineer/scientist, fellow or advisory engineer).
 - f. As professor or faculty of a major university, successfully conducted carbon material or process research studies that yielded basic scientific data pertinent to future hardware applications (e.g., superconductivity).
- C. Nominations shall be by any of the following:
 - 1. SAMPE Chapter in the nominee's locale
 - 2. SAMPE Member

3. SAMPE non-member with concurrence of a SAMPE Chapter chair
- D. Selection for Award
 1. The selection shall be presented to the Past Presidents committee for subsequent presentation to the Global Board of Directors (BOD). Concurrence will be by 2/3 of the votes cast by either of the following methods.
 - a. At a fully constituted Global Board of Directors meeting.
 - b. By responses of members of the Global BOD, provided that those responding represent a quorum of a fully constituted Global BOD meeting.
- E. Acknowledgment
 1. The award will be announced by:
 - a. Letter to the recipient prior to the presentation
 - b. Letter to the SAMPE Chapter chair in the recipient's locale
 - c. Letter to the recipient's employer (preferably officer or high-ranking office)
 - d. Notice in the *SAMPE Journal*
 - e. Press release to media announcing selection for Akio Shindo Memorial Award honor.
 2. Presentation
 - a. Presentation shall be made by the Global SAMPE Akio Shindo Memorial Awards Chair or his/her designate at a SAMPE International conference.
 - b. The award will take the form of that approved by the Global Executive Cabinet.
- F. Chair of the SAMPE Akio Shindo Memorial Award
 1. The Chair will have a term of 3 years.
 2. The Chair will be nominated by the previous chair and will have previous experience on the Akio Shindo Memorial Award committee
 3. The proposed Chair candidate must be approved by the Global Executive Vice President.
- G. Specific rules and award activities rules
 1. The award is designated to be an annual award, but need not be made each year. Only one award may be given in a single SAMPE fiscal year.
 2. Nominations for the award must be submitted on the proper form (Enclosure 1 or electronic equivalent) and must provide appropriate background information for evaluation.
 3. Nominations must be submitted to the Chair, SAMPE Akio Shindo Memorial Awards committee, no later than 15 February in the fiscal year before in which the award is to be presented.
 4. The selection committee will consist of the following or their designates:
 - a. Immediate Past Global President
 - b. Chair of Fellows Nomination Committee
 - c. Global Executive Vice President
 - d. SAMPE Akio Shindo Memorial Award Committee Chair
 - e. Member-at-large in good standing in SAMPE who is nominated by the Committee Chair and approved by the Global Executive Vice President
 5. Suggested citation of not more than fifty (50) words shall appear on the nomination form.
 6. The selection committee will be reconstituted as required.
 7. The costs of the award recipient, including travel to the city of presentation and tuxedo rental costs for the ceremony will be borne by SAMPE. Lodging, meals, and registration fees for the International conference attendance by the recipient shall be borne by SAMPE.
 8. Unsuccessful nominations will be retained as active candidates for award consideration for a period of two (2) years beyond initial submitted.
 9. No posthumous Akio Shindo Award nominations will be considered.
 10. Selection of the Akio Shindo Memorial Award recipient shall be made by the selection committee using the criteria described in the selection guidelines (Enclosure 2).

Enclosure 1

NOMINATION FOR SAMPE AKIO SHINDO MEMORIAL AWARD

This award is given in honor of Akio Shindo (1926-2016), who was an "inventor" of PAN (polyacrylonitrile) based carbon fiber. In 1959 he discovered the following facts during his experiment using PAN fiber "Orlon" developed by DuPont.

1. PAN fiber is one of the best raw materials to effectively produce carbon fiber.
2. Oxidization treatment is indispensable prior to carbonization to produce robust carbon fiber.

The patent was applied for in 1959 and granted in 1962. The patent has been licensed to ten companies and has been successfully developed and commercialized by multiple companies. Akio Shindo is considered to be the father of PAN based carbon fiber because his discovery is respected as a monumental achievement that is the basis for the present industries that are based on carbon fiber and carbon fiber reinforced materials throughout the world.

Complete and mail nomination form to:

Chair, Akio Shindo Memorial Award Committee
SAMPE
21680 Gateway Center Drive, Suite 300
Diamond Bar, CA 91765-2435, USA
Phone: +1-626-521-9460 • sampe@sampe.org

Please type or print clearly and complete each section with sufficient detail that the committee can evaluate the strengths and contributions of the candidate:

I/We nominate the following individual for the SAMPE Akio Shindo Memorial award:

1. Name _____
2. Company/Institution _____
3. Title _____
4. Business Address _____

5. Email Address _____
6. Describe the specific achievements in the field of (or in support of) materials and processes upon which this nomination is based:

7. Describe the effect of the individual's achievements on the technology and progress of material and process field (please attach any related documentation of these achievements):

8. Provide examples which substantiate that the nominee has attained national or international name recognition in the material or process field, e.g., newspaper quotes, awards of recognition, etc.

9. Place of birth _____

10. Education (degrees, years granted, universities and locations):

11. Prior corporate or academic affiliations (include companies and institutions, titles, responsibilities and approximate dates of affiliation):

12. Professional society affiliations:

13. Professional honors and awards:

14. Citation (50 words or less)

15. List of publications, presentation, invited lectures, patents:

16. Identity of Nominator(s)

1. Principal Nominator _____

2. Company, Institution _____

3. Title _____ Phone # _____

4. Business Address _____

5. Email Address _____

6. Other Nominators

7. Name _____

Phone Number _____

Email Address _____

8. Name _____

Phone Number _____

Email Address _____

9. Name _____

Phone Number _____

Email Address _____

Note:

Supplemental pages may be provided, as appropriate, to support this nomination. Where supplemental pages are used, please refer back to the item number(s) on this form.

Enclosure 2

GUIDELINES FOR SAMPE AKIO SHINDO AWARD SELECTION

Rating and Weighing System

Nominee's Name _____

	Ranking and Weighing System Evaluation Criteria	Point Value
1	Nominee's stature within the M&P field	20
	<i>Evaluate on basis of national or international reputation, degree of accepted expertise, etc.</i>	
2	Significance of achievement(s) from a technological sense	30
	<i>Evaluate in comparison to sole invention or breakthrough of technological importance, e.g. development of carbon fiber</i>	
3	Effect (impact) of achievement(s) upon the carbon materials and processes profession	30
	<i>Determine if nominee's accomplishments had a lasting and significant impact upon the carbon materials and processes profession, e.g., effective professorship at carbon materials research department at major university or directorship of Government/industry laboratory</i>	
4	Significance of professional honors and awards	10
	<i>Evaluate overall importance of awards received by nominee. Do the awards represent recognition by professional peers, e.g., IR-100 award, etc.?</i>	
5	Quantity and quality of publications, presentations, patents, etc.	10
	<i>Examine scope and professional significance of patents, presentations, publications, etc.</i>	
	Total	100
	SCORE	

B. Selection Methodology

1. Each nominee shall be evaluated individually and given a numerical point rating (100 = maximum) by each member of the selection committee, based solely on information provided in the nomination form.
2. The selection committee members shall convene at a meeting, or telephone conference call, to discuss their results and determine whether or not to select one of the nominees for the Akio Shindo Award. Only a simple majority vote from the selection committee for acceptance of a nominee is necessary.