

Rubber Division S&T Award Descriptions

Charles Goodyear Medal

1. The purpose of this award is to perpetuate the memory of Charles Goodyear as the discoverer of the vulcanization of rubber by honoring individuals for outstanding invention, innovation, or development which has resulted in a significant change or contribution to the nature of the rubber industry.
2. The award consists of \$6,000, a gold medal, framed certificate, gratis lifetime Rubber Division affiliate membership, and \$1,000 for expenses incurred incidental to attending the awards ceremony, as well as two nights complimentary lodging at the Division meeting.
3. The recipient is expected to deliver a lecture covering the background, development, implementation, and commercialization of the invention or innovation pertinent to the award.
4. The award was established by the Rubber Division in 1941, as a part of its continuing effort to honor scientists and engineers who are recognized as having made an outstanding invention, innovation or development which has resulted in significant change or contribution to the nature of the rubber industry. This award is supported solely by Rubber Division.
5. The recipient(s) shall have been the principal inventor(s), innovator(s), or developer(s) of a significant change or contribution to the rubber industry.



Melvin Mooney Distinguished Technology Award

1. The purpose of this award is to perpetuate the memory of Melvin Mooney, the developer of the Mooney Viscometer and other testing equipment, by honoring individuals who have exhibited exceptional technical competency by making significant and repeated contributions to rubber science and technology.
2. This award consists of \$3,000, an engraved plaque, and gratis lifetime Division affiliate membership. The recipient will also receive \$500 for travel expenses incurred in attending the awards ceremony meeting.
3. The award was established by the Rubber Division in 1983 as the Award for Technical Excellence as a part of its continuing effort to recognize Rubber Division members/affiliates who have made repeated contributions to rubber science and technology. In 2007, Lion Copolymer assumed sponsorship.



4. The recipient shall have made repeated innovative contributions to rubber science and technology.

Fernley H. Banbury Award

1. This award perpetuates the memory of Fernley H. Banbury, the inventor and developer of the internal mixer that bears his name, by honoring innovations of production equipment widely used in the manufacture of rubber or rubber-like articles of importance.
2. The award consists of \$3,000, and engraved plaque, and \$500 for travel expenses incurred in attending the awards ceremony meeting.
3. This award was established by the Rubber Division in 1986 as a part of its continuing effort to recognize the contributions of scientists and engineers in developing production equipment, control systems, and instrumentation widely used in the manufacture of rubber or rubber-like articles on importance. This award is currently sponsored by the Farrel Company.
4. The recipient shall have been the principal inventor(s) of innovative production equipment, instrumentation, control systems, or developed improved processing technologies, widely used in the manufacture of rubber or rubber-like articles of importance.



Sparks-Thomas Award

1. The purpose of this award is to perpetuate the memory of William J. Sparks and Robert M. Thomas, chemists, who developed butyl rubber by recognizing and encouraging outstanding scientific contributions and innovations in the field of elastomers by younger scientists, technologists and engineers.
2. The award consists of \$4,000, an engraved plaque, and \$500 for travel expenses incurred in attending the award ceremony meeting.
3. The award was established in 1986 and is supported by the ExxonMobil Chemical Company.
4. The recipient shall have made an outstanding contribution to the science and technology of elastomers. Special consideration may be given to areas that have not been recognized recently. Recognition will also be given to originality and independence of thought, and to the technological impact of the nominee's contribution. The nominee may be a citizen of any country and must be within 25 years of earning a baccalaureate degree.



Chemistry of Thermoplastic Elastomers Award

1. This award is to honor significant contributions to the advancement of the chemistry of thermoplastic elastomers.
2. This award includes \$4,000, and engraved plaque, and \$500 for travel expenses incurred in attendance at the awards ceremony meeting.
3. This award was established by Rubber Division in 1991 as a part of its continuing effort to recognize the contributions of scientists in the field of thermoplastic elastomers. This award is currently sponsored by the Ralph S. Graff Foundation.
4. The recipient shall be any chemical researcher and must have made an outstanding contribution in the field of thermoplastic elastomer chemistry. Particular emphasis is placed on innovations that have yielded significant new commercial or patentable materials. Patentable innovations in process chemistry for the production of new thermoplastic elastomers will also be eligible for this award.

George Stafford Whitby Award for Distinguished Teaching and Research

1. This award perpetuates the memory of George S. Whitby, head of the rubber laboratory at The University of Akron and for years the only one who taught rubber chemistry in the USA, by honoring outstanding international teachers of chemistry and polymer science and recognizing innovative research.
2. The award consists of \$3,000, an engraved plaque, and \$500 for travel expenses in attending the awards ceremony meeting.
3. This award was established by the Rubber Division in 1986 as a part of its continuing effort to honor teachers and academic scientists for distinguished innovative and inspirational teaching and research in chemistry and polymer science. This award is currently sponsored by Cabot Corporation.
4. The recipient shall have made outstanding contributions to chemical and/or polymer science education or research, including the training of professional rubber or polymer chemists; the dissemination of reliable information about chemistry to prospective chemists, to members of the profession, to students in other fields, and to the general public; and the integration of chemistry and polymer science into our educational system. The activities recognized by the awards may lie in the fields of teaching (at any level), organization and administration, influential writing, standards of instruction, and public enlightenment.