

James V. Crivello Fund for Undergraduate Summer Research

The Department of Chemistry and Chemical Biology at Rensselaer Polytechnic Institute would like to announce the establishment of the James V. Crivello Fund for Undergraduate Summer Research in 2015. This fund has been established in memory of Professor James V. Crivello in recognition of his many years of service at both General Electric and Rensselaer Polytechnic Institute to promote research excellence in the field of polymer chemistry. The fund will be used to support undergraduate students in active summer research programs on polymer chemistry at Rensselaer.



The purpose of this fund is to provide support for motivated Rensselaer undergraduates to spend a summer working on fundamental research projects in one of the polymer research groups in the Department of Chemistry and Chemical Biology. Since these students are usually between their junior and senior years, this experience will have a significant impact upon their decisions to go directly into the industry or into graduate or other professional programs upon graduation. The ultimate goal is to have sufficient funds available to support at least one, and hopefully more, outstanding undergraduate students working on polymer chemistry projects.

The student(s) will be selected by the department's awards committee based upon a completed application with recommendation letters from Rensselaer faculty.

Contributions to the fund may be sent to:

Rensselaer Polytechnic Institute
Gifts Processing Center
P.O. Box 3164
Boston, MA 02241-3164

Please note the **James V. Crivello Fund** on your check. For donors who would like to make an online gift, simply go to <http://giving.rpi.edu> and click on the "Give Now" button.



Professor James V. Crivello, 74 years old, passed away suddenly on February 26, 2015 in Clifton Park, NY. Dr. Crivello received his B.S. in Chemistry from Aquinas College in Grand Rapids, Michigan in 1962 and his Ph.D. in Organic Chemistry from the University of Notre Dames in 1966. Dr. Crivello joined the Department of Chemistry and Chemical Biology at Rensselaer Polytechnic Institute in 1988 after completing a very successful industrial career of 22 years at the General Electric Research and Development Center, where he was elected a Coolidge Fellow (1980). Since joining RPI, he has been a valued and productive colleague both as a researcher and as a teacher in the areas of Organic Chemistry and Synthetic Polymer Chemistry. His contributions in the field of Additive Manufacturing and 3D printing are seminal: his invention of a new class of photoinitiators, also known as "Crivello Salts," designed for inducing cationic polymerization and photolithography opened the door for microelectronics, industrial coating, and additive manufacturing systems. Most of the current 3D imaging and 3D printing technology in use today employs epoxy resin technology and his photo curing chemistry. The measure of his scholarly activity in this and related areas can be readily appreciated by noting that he has 330+ publications, 144+ patents, 3 books and 15 book chapters to his credit. For more information about Prof. Crivello, an article titled "Remembering Jim Crivello, former Editor of *Chemistry of Materials*" (written by Len Interrante) is published in *Chem. Mater.* (2015) 27, 2244-2245. <http://pubs.acs.org/doi/abs/10.1021/acs.chemmater.5b01146>

Please do not hesitate to contact **Professor Chang Ryu**, Director of NY State Center for Polymer Synthesis, Department of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute, 110 8th Street, Troy, NY 12180. (Email: ryuc@rpi.edu), if you have questions about the Crivello Fund. Prof. Ryu had submitted proposal to ACS to organize a symposium titled "James V. Crivello Memorial Symposium" to be held in March, 2016 in San Diego, CA.