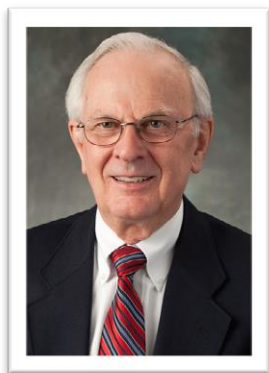


Dr. Joseph Sangiovanni **Senior Fellow, Thermal and Chemical Sciences**



Biographical Profile

As Senior Research Fellow, United Technologies Research Center (UTRC), Joe Sangiovanni, Ph.D., is responsible for providing high-level technical direction to product research and development teams at UTRC and to the business units at United Technologies Corp. (UTC). Prior to his current role, Sangiovanni held several positions at UTRC, including Technology Integration Manager, Thermal and Chemical Sciences; Manager, Environmental and Catalytic Sciences; Principal Research Scientist, Environmental Sciences; and Senior Research Scientist, Combustion Sciences. In addition, he served as Senior Analytical Engineer, Thermal and Fluid Mechanics Analysis at UTC's Hamilton Standard Division, Windsor Locks, Connecticut.

Among Sangiovanni's many honors and awards are membership in the Society of Sigma Xi and appointment to the Connecticut Academy of Science and Engineering (CASE). Additionally, he is the recipient of UTC's George Mead Medal for Outstanding Individual Scientific Accomplishment – 2000, and several UTRC Outstanding Achievement Awards. He holds 23 U.S. patents in the areas of heat exchangers, heterogeneous catalytic reactors, photo-catalysts and catalytic reactors, hydrocarbon processing, catalytic combustion, combustion and emission control, and energy recovery and has more than 10 patents pending.

Sangiovanni has authored and co-authored more than 37 publications and presentations, 11 contractor reports and 12 invited lectures, and is a member of the American Institute of Chemical Engineers, The Combustion Institute, and Harvard (School of Public Health) Environmental Health Council.

Sangiovanni received a B.S. in mechanical engineering from the University of Notre Dame, Notre Dame, Indiana; an M.S. in mechanical engineering from Rensselaer Polytechnic Institute (RPI), Troy, New York; and a Ph.D. in chemical engineering from RPI.