Profile

Gustavo E. Scuseria is the Robert A. Welch Professor of Chemistry, Professor of Physics and Astronomy, and Professor of Materials Science and NanoEngineering at Rice University, in Houston, Texas. Professor Scuseria was born in Argentina. He received his Ph. D. from the University of Buenos Aires in 1983. He was a postdoctoral researcher at the University of California, Berkeley, and University of Georgia before joining the faculty at Rice in 1989.

Professor Scuseria's main research field is **computational quantum chemistry**, an area where he has made seminal contributions to the development of new methodologies and their application to molecules, solids, and nanoscale systems. Scuseria is also well known for his contributions to the ***Gaussian*** **suite of programs**, a popular software package for quantum chemistry calculations used in academia, government, and industry. He is the author of more than **450 publications** that have received more than **40,000 citations** according to Thomson Reuters Web of Science. Scuseria has presented more than **350 invited lectures** at national and international conferences, academic and research institutions.

He is a **member** and currently Vice President of the International Academy of Quantum Molecular Science, and **Fellow** of the American Chemical Society, American Physical Society, American Association for the Advancement of Science, Guggenheim Foundation, and Royal Society of Chemistry.

He has received numerous **awards** including Camille and Henry Dreyfus Teacher-Scholar, NSF Creativity Extension, IBM Partnership, and Feynman Prize in Nanotechnology Theory. He is listed as one of the most cited chemists in the world by Thomson-Reuters ISI.

Scuseria is **Editor-in-chief** of the ***Journal of Chemical Theory and Computation*** of the American Chemical Society.

Research in the Scuseria group straddles between quantum chemistry, condensed matter physics, and materials science, focusing on novel methods for electronic structure theory, particularly strong correlation, and applications to molecules and materials of importance for energy and the environment.