

# Plasmons, Excitons and Theory



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**George C. Schatz** is Charles E. and Emma H. Morrison Professor of Chemistry and of Chemical and Biological Engineering at Northwestern University. He received his undergraduate degree in chemistry at Clarkson University and a Ph. D at Caltech. He was a postdoc at MIT, and has been at Northwestern since 1976. Schatz has published three books and over 800 papers. Schatz is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, the International Academy of Quantum Molecular Sciences, and he has been Editor-in-Chief of the *Journal of Physical Chemistry* since 2005. Schatz is a theoretician who studies the optical, structural and thermal properties of nanomaterials, including plasmonics and excitonics, DNA and peptide nanostructures, and carbon-based materials, with applications in chemical and biological sensing, electronic and biological materials, high performance fibers, and solar energy. His past work has also been concerned with understanding the dynamics of chemical reactions in the gas phase and in gas-surface collisions.