

Professor Devens Gust



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2002 Professor Devens Gust is a graduate of Princeton University where he completed a Ph.D. under the supervision of Kurt Mislow. After postdoctoral work with J. D. Roberts at the California Institute of Technology, he took up a position as Assistant Professor in the Department of Chemistry and Biochemistry, Arizona State University in 1975. He has been Professor of Organic Chemistry since 1985 and the Chair of the Department of Chemistry and Biochemistry since 1998. Devens Gust has published over 200 articles, which focus on artificial photosynthesis and the use of organic molecules to mimic photosynthetic energy and electron transfer processes. The understanding gained from this research is applied to the design new chemical systems for solar energy harvesting, biomimetic conversion of light energy to chemical energy in the form of transmembrane proton gradients or ATP, molecular electronics and optoelectronics, and medical imaging. This research has been recognised by the Distinguished Research and Creative Activity Award, Arizona State University 1988 - 1989 and the National Science Foundation Extension for Special Creativity 1992 - 1994.