

## **Biography**



**Professor Thomas Holme  
Iowa State University**

Professor Thomas Holme joined the faculty of Iowa State University in August 2008. Dr. Holme received his B. S. in Chemistry and Physics from Loras College in Dubuque, Iowa graduating Magna Cum Laude in 1983 and his Ph. D. in Chemistry from Rice University in Houston, Texas in 1987. He was a Postdoctoral Associate at Hebrew University and the University of Pennsylvania from 1987 to 1989. He began his academic career at the University of South Dakota and the University of Wisconsin — Milwaukee. He maintains two research groups, one in Chemical Education Research and the other in Computational Chemistry.

At Iowa State University Holme and his students carry out computational modeling studies of physiological implications of molecules that include main group elements such as boron and silicon. He is currently the Director of the Examinations Institute of the ACS. Holme also has a significant interest in research that focuses on how to assess the learning of chemistry. The application of emerging information technologies in

the assessment of student knowledge comprises one area of his research interests in chemistry education.

Dr. Holme was Exchange Professor at Ajou University, Suwon, South Korea in 2000 and Fulbright Lecturer, University of Zambia in 1989-1990. He received the Helen M. Free Award for Public Outreach in 1999 from the American Chemical Society.