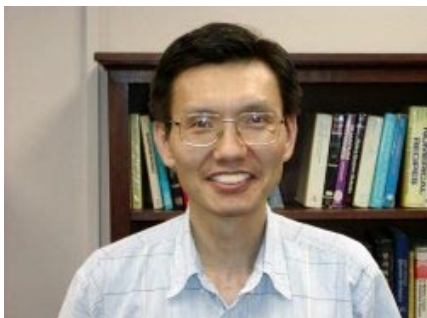


**Dr. Seong-Gon Kim, Associate Director of CCS, has been named as
the 2008 Henry Family Dean's Eminent Scholar
at the College of Arts & Sciences.**



Seong-Gon Kim, PhD
Associate Professor of Physics
Department of Physics and Astronomy
College of Arts and Sciences
Associate Director, Center for
Computational Sciences
High Performance Computing
Collaboratory
Mississippi State University

Education

PhD., Physics, Michigan State University, East Lansing, Michigan, 1994

M.S., Physics, Michigan State University, East Lansing, Michigan, 1988

B.S., Physics, Seoul National University, Seoul, Korea, 1986

Research Interests

Before joining as faculty of Mississippi State University, Prof. Kim developed his career as a research scientist at Naval Research Laboratory in Washington, DC and a Research Assistant Professor at Vanderbilt University in Nashville, TN. Prof. Kim is a recipient of 2002 Ralph E. Powe Junior Faculty Enhancement Awards. He is the co-author of two articles in the journal *Science* with Prof. Richard Smalley of Rice University, the winner of the 1996 Nobel Prize in Chemistry. He is also author or co-author of more than 33 research publications in highly regarded reference journals.

Dr. Kim's main research interest is the application of modern first principles computational techniques of condensed matter physics and materials science to the study of the electronic and structural properties of nanostructures, semiconductors and metals. His research also includes the study of surfaces, interfaces and defects in semiconductors and metals. Especially, he is an expert on adsorption and dissociation of hydrogen on metal surfaces and the quantum nature of hydrogen fuel cell catalysis. Prof. Kim collaborates actively with researchers from many different disciplines including mechanical engineering, chemistry, mathematics, and computer sciences and engineering. He is also very active in the development of new numerical algorithms, computational techniques and large-scale first principles simulation codes for massively parallel computers. Dr. Kim is currently leading several large research projects funded by the Department of Defense and the Department of Energy.