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*The Krell Institute*

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## **The Krell Institute is a member of consortium developing world's first sustained petascale computing system dedicated to open scientific research**

The Krell Institute announced today that it is a charter member of the Great Lakes Consortium for Petascale Computation. The consortium will encourage the widespread and effective use of petascale computing to advance scientific discovery and the state-of-the-art in engineering, increase regional and national competitiveness, and train tomorrow's computational researchers and educators.

The Great Lakes Consortium for Petascale Computation is a collaboration among dozens of universities, colleges, research laboratories, and institutes from around the country. It will be key to the development of Blue Waters, which is expected to be the world's first sustained petascale computational system dedicated to open scientific research. Blue Waters' home will be the University of Illinois' National Center for Supercomputing Applications. It is a joint effort of NCSA, Illinois, IBM, and the Great Lakes Consortium. It is supported by the National Science Foundation.

Blue Waters will go online in 2011, providing researchers with the power to tackle scientific problems that previously were out of reach. In addition to raw computing power, the Blue Waters project also will include intense support for application development, system software development, interactions with business and industry, and educational programs. This comprehensive approach will ensure that users across the country will be able to use Blue Waters to its fullest potential.

"Krell is excited to participate in this consortium and to help train the next generation of computational scientists." said John Ziebarth, Krell Institute Senior Vice President. "The advancement of scientific discovery in over the next decade will depend on how effectively high performance computing can be applied to this nation's science and engineering challenges."

The Krell Institute provides superior technical resources, knowledge and experience in managing national scale technology-based education and information technology programs. Since its inception in 1997, Krell has assisted with initiatives that advance high-performance computing and computational science and engineering for the scientific and technology communities. This includes planning and execution of meetings on specific computational science topics, writing and publication of science and engineering research results, and the development of new educational programs in computational science. In addition, Krell advances the next generation of computational scientists and engineers through its successful management of three outstanding Ph.D. fellowship programs for the Department of Energy.

"Blue Waters will be an unrivaled national asset, dedicated to scientific research that will have a powerful impact on society," said Thom Dunning, NCSA director and a professor of chemistry at Illinois. "Our nation's top scientists--simulating new medicines or materials, the weather, disease outbreaks, or complex engineered systems like power plants and aircraft--are poised to make discoveries that we can only begin to imagine. Blue Waters and the scientists, engineers, technologists, and educators of the Great Lakes Consortium are crucial to that success."

For more information on the Great Lakes Consortium for Petascale Computation, see: <http://www.greatlakesconsortium.org>. For more information on Blue Waters, see: <http://www.ncsa.uiuc.edu/BlueWaters>.

*Since its inception in 1997, the Krell Institute has been providing superior technical resources, knowledge and experience in managing technology-based education and information programs. Krell successfully manages two outstanding fellowship programs, educational outreach programs, and information management and exchange programs.*