



# UNIVERSITY

THE WEATHER SPHERE BRINGS UNIVERSITY, FEDERAL, STATE AND PRIVATE INDUSTRY TOGETHER.

## OU Supercomputing Center for Education & Research

A Division of OU Information Technology

The OU Supercomputing Center for Education & Research (OSKER) has three primary missions: to educate OU's faculty, staff and especially students (both undergraduate and graduate, at all OU campuses), not only in the principles underlying High End Computing (HEC) but also in the practice of effective HEC software design; to collaborate directly with OU researchers in the application of this knowledge to their specific investigations; and to disseminate broadly both the activities and results of OU computational researchers.

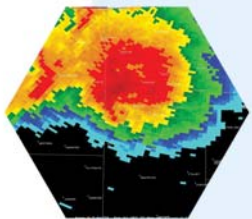
OSKER's educational mission is addressed via a series of workshops titled "Supercomputing in Plain English," targeted at an audience of not only computer scientists but especially scientists and engineers, that focus on fundamental issues of HEC as they relate to Computational Science & Engineering, using analogies and storytelling rather than technological details. OSKER's research mission is addressed via "rounds," in which OSKER personnel work directly one-on-one with OU researchers to help them advance the computing-intensive aspects of their investigations.

OSKER has worked closely with several Weather Sphere units, especially the Center for Analysis and Prediction of Storms, the Cooperative Institute for Mesoscale Meteorological Studies and the School of Meteorology, participating in dozens of projects ranging from undergraduate research and education to the cutting-edge annual Spring Storm Experiments at the National Weather Center. Finally, OSKER's dissemination mission includes the Oklahoma Supercomputing Symposium, an annual event that attracts hundreds of participants from academia, government and industry.



"OSKER, a division of OU Information Technology, helps undergraduates, graduate students, faculty and staff to learn and use supercomputing for science and engineering."

Henry Neeman  
Director



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