

The background of the entire page is a deep space scene. In the upper right, a bright, glowing sun or star is visible, surrounded by a soft lens flare. Below it, a small, dark, circular object, possibly a planet or moon, is seen. In the lower left, a large, reddish-brown planet with a cracked, volcanic surface is partially visible. The rest of the background is a dark, starry field with numerous small, distant stars.

# ENVISION CENTER

Envision Center is ITaP's data visualization and multimedia production services center. The center uses a blend of technology and art to display information graphically in ways that communicate the complex more effectively, simplify understanding and create a springboard for new insights, whether in research or the classroom.

Envision helps faculty enhance research and teaching by graphically representing data and information through techniques such as scientific visualization, animation, motion capture and immersive 3-D virtual environments.

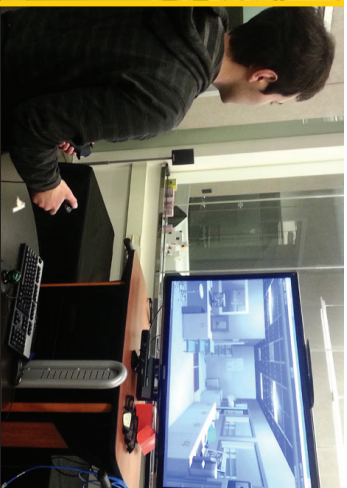
***[envision.purdue.edu](http://envision.purdue.edu)***





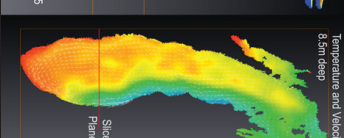
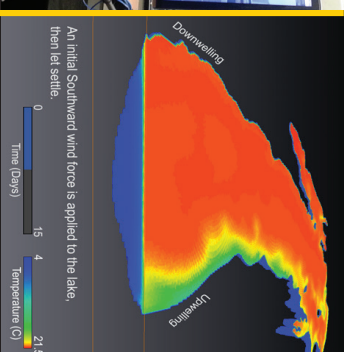
## VIRTUAL SIMULATION

Virtual reality simulation and training through 3-D environments deployable to mobile devices, desktop/laptop, the Web and Envision's flagship immersive CAVE, a room-sized four-walled theater for projecting and interacting with virtual environments and data visualizations.



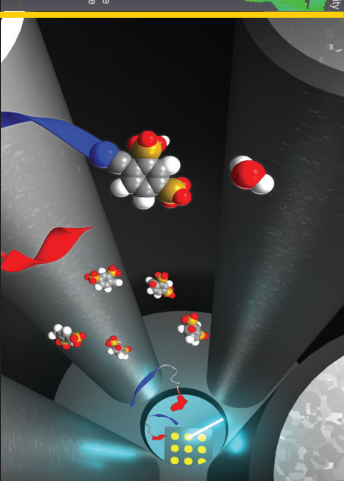
## HUMAN-COMPUTER INTERACTION

Motion capture, body tracking, gesture recognition, haptics (touch and feel) and other technologies to link the real and virtual worlds for research and education purposes.



## DATA VISUALIZATION AND ANALYSIS

Visual and interactive representation of research to help researchers and audiences, including funding agencies, better understand data and results — and even to step inside them.



## MEDIA CREATION

Video production and animation for use in education, training and scientifically accurate research presentations and publications.

## FOR MORE INFORMATION CONTACT:

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Besides operating the hardware and software, the Envision Center's expert staff and students consult on ways to graphically represent projects and collaborate on grants, including building proof-of-concept demos for proposals.