

ICAPP[®] | The Economic Development Program of the University System of Georgia



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Adding Smart Grid Content to Georgia Tech Engineering Degree Helps Land 400 New Jobs, \$15 Million Investment in Georgia

ICAPP project is part of State's incentive package

ICAPP
connects the intellectual resources of Georgia's 35 public colleges and universities to the state's business community in innovative ways.

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An ICAPP project that gave Georgia Tech the ability to offer customized education in Smart Grid technologies helped tip the balance in Georgia's favor when GE Energy decided the location of its new Smart Grid Technology Center of Excellence.

The ICAPP project makes it possible for Georgia Tech to expand its existing Professional Master's Degree in Applied Systems Engineering (PMASE) program. Both the core courses and the set of complex systems courses will emphasize Smart Grid technologies in case study examples, labs, exercises and projects where appropriate.

The program also will help GE Energy's vendors, suppliers, competitors and customers in the energy business find the college-educated workforce that they need. The first Smart Grid classes will begin at Georgia Tech in August 2011.

"We learned that it would be of great value for GE Energy if we could develop customized Smart Grid content at Georgia Tech.

Georgia Tech and the University System's economic development program, ICAPP, worked with us to make that happen."

HEIDI GREEN
DEPUTY COMMISSIONER FOR GLOBAL COMMERCE,
GEORGIA DEPARTMENT OF ECONOMIC DEVELOPMENT



Governor Sonny Perdue (left) and John Rice, GE Vice Chairman/GE Technology Infrastructure President and CEO, at a preview of the Smart Grid Technology Center of Excellence on June 3rd. The new facility, which is located near GE Energy's existing headquarters in Cobb County, will house the global headquarters of GE's Digital Energy business and a smart grid engineering laboratory.

Smart Grid Technology:

- makes distributing electricity more effective and efficient
- monitors and protects the electricity delivery system, and automatically optimizes its operation
- reduces costs and pollution



Georgia Tech's Collaborative Visualization Environment (CoVE)

PMASE students can simultaneously display and analyze more than 60 different variables within complex systems on the 18-by-10-foot multimedia wall in this unique facility. Georgia Tech's growing smart-grid-related resources – including research activities and top talent – were key factors in GE Energy's location decision.



"Creating A More Educated Georgia"