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NEWS

Georgia Tech center to foster Cell processor

By Nicolas Mokhoff

Courtesy of [EE Times](#)
(11/20/2006 11:53 AM EST)

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MANHASSET, N.Y. — Georgia Tech's College of Computing has partnered with Sony, Toshiba and IBM to create a "center of competence" at Georgia Tech focused on the [Cell](#) microprocessor technology.

The Cell is used in Sony's [Playstation 3](#). Georgia Tech researchers will look to broaden the scope of applications for the processor, focusing on bioinformatics, scientific computing, finance and entertainment.

The Cell [Broadband](#) Engine (BE) [processor](#) features a central [processing](#) core, based on IBM's Power [Architecture](#) technology, and eight synergistic processors. The Cell BE [addresses compute-intensive applications](#) and is included in the IBM BladeCenter QS20 Cell-based [blade](#) server. Through [collaboration with Mercury Computer Systems](#), the BE architecture is being pitched for aerospace/defense, semiconductor, medical imaging and other markets.

The Georgia Tech center will sponsor discussion forums and workshops; provide [remote access](#) to Cell Blade hardware installed at Georgia Tech; create and disseminate software optimized for Cell BE systems; and perform research on the design of Cell BE systems, algorithms and applications.

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The MathWorks, Inc. and Analog Devices introduce [Link for Analog Devices VisualDSP++](#), which integrates MATLAB and Simulink with the ADI VisualDSP++ integrated