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Other - Enabling Process Innovation Through Computation (EPIC) Seminar Series

Advances in Industrial Adoption of Simulation in New Product and Process Development**Anirudh Mukhopadhyay, ANSYS, Inc.**

Director of Technical Services, North American Operations

Patrick F. Taylor Hall 1106
November 01, 2013 - 02:00 pm**Abstract:**

The value of engineering simulation and analysis has reached unprecedented heights. Across all industries today, computational simulation is used as an instrument for accelerating New Product Development, Value-Add, and Value-Engineering for existing products or processes. The maturity in sensor technologies aligning with concurrent development in wireless technology and standards has enabled higher fidelity for computational models. Simulation with reduced order models or state based models in sync with sensors adds the new dimension of Systems Engineering to process understanding, intensification and debottlenecking. On the advanced physics front, multiphase problems continue to dominate the process industry. As deep sea exploration is reaching greater depths, multiphysics analyses of mechatronic systems are requiring high fidelity predictive analysis. A number of these important issues will be discussed including a specific example of deep sea multiphysics application.

Attend online at: [HTTP://CONNECT.LSU.EDU/EPIC-SEMINARS](http://connect.lsu.edu/epic-seminars)**Speaker's Bio:**

Anirudh Mukhopadhyay, PhD, Mech. Eng., is the Director of Technical Services, North America, ANSYS Inc. Anirudh leads the engineering analysis technology team providing both short term engineering solutions as well as long term technology development opportunities across multiple industry segments. Anirudh and his technical team help organizations develop and elevate their in-house analysis competency and expertise throughout North America. The team is also involved with a number of premier academic institutes fostering adoption and advancement of Engineering Simulation in curricular and research programs. Profile: www.linkedin.com/in/anirudhm/

