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# EMSL In Brief

Environmental Molecular Sciences Laboratory



## Devanathan Selected for National Academy Symposium

A resident EMSL user from the Pacific Northwest National Laboratory (PNNL) has been selected to participate in the National Academy of Engineering's 11<sup>th</sup> annual Frontiers of Engineering symposium.

Ram Devanathan, a user of EMSL's Molecular Science Computing Facility, was one of only 88 engineers selected nationwide to participate in the symposium. The event, to be held September 22 through 24, 2005, will bring together engineers ages 30 to 45 who perform cutting-edge engineering research and technical work. Those selected for participation in the symposium hail from industry, academia, and government and were nominated by fellow engineers or organizations.



Devanathan is a frequent user of EMSL's state-of-the-art computational resources, including the 11.8-teraflop supercomputer and Graphics and Visualization Laboratory. Many of the computationally intensive simulations he performs support leading-edge interdisciplinary research on fuel cell electrolytes for the hydrogen economy, advanced ceramics for nuclear waste disposal, radiation-resistant semiconductors, nanoscale phenomena, and novel radiation detector materials.

The symposium will be held at the GE Global Research Center in Niskayuna, New York, and will explore aspects of identification and verification technologies, the engineering of complex systems, engineering for developing communities, and energy.

Devanathan joins EMSL users Yong Wang (2004), Cindy Bruckner-Lea (2003), and S.K. Sundaram (2001) as past PNNL recipients of this honor.

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