

## **OpenAccess: The Open, Industry-standard API and Platform for EDA Tool Development and Integration**

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### **Abstract**

OpenAccess is the industry-standard API and information model that arrived a year ago. It serves as a platform to enable EDA tool development and integration of flows that include “plug-and-play” best-in-class tools from multiple sources with the end result being increased designer productivity, reduced time-to-market and improved quality of results. This presentation will discuss the environment in which it is developed, its technical capabilities, some key features that are currently being developed and how this API and associated reference implementation is being rolled out into the EDA and end-user companies. It enumerates some of the benefits accrued from its use to its customers and finally lists some actions that one can undertake in an academic environment to adopt this technology and thus reap its benefits.

### **Biography**

Sumit DasGupta is the VP of Technology at Silicon Integration Initiative (Si2), an electronic industry consortium based in Austin, TX, where he is responsible for developing infrastructure standards for electronic design tools and flows to enhance designer productivity. OpenAccess is one of his primary responsibilities at Si2.

Prior to joining Si2, Sumit was at Motorola for several years where he was responsible for developing the design flows for PowerPC chips and SoC designs. Before Motorola, Sumit was at IBM where, over a period in excess of 25 years, he held several senior management and technical leadership positions in the EDA field and was responsible, at different times, for developing back-end design tools and methods in physical design, and design for test, many of which are still in use today.

Sumit has a PhD in Computer Science from Syracuse University, earned in the last century. He has 8 patents issued and over 20 papers and publications. He is a Senior Member of the IEEE and has been very active in IEEE events, serving at different times as Editor-in-Chief of Design and Test magazine, Chair and member of the Executive Committee of Transactions on VLSI Systems and in the committees of multiple conferences.

Sumit, his wife and their three daughters moved from the Mid-Hudson Valley in New York to Austin almost 10 years back and they have no intention of moving back. The primary reason for their migration was to ensure that each of his children could attend UT at state rates.

*Coffee and cookie will be served. For more information about the UT-Austin VLSI Seminar Series, please visit the web. <http://www.cerc.utexas.edu/vlsi-seminar/>*