# Synopsys Joins GLOBALFOUNDRIES' FDXcelerator Partner Program to Enable Innovative Designs Using the FD-SOI Process

**Program Gives Synopsys Access to GLOBALFOUNDRIES' FDX Portfolio and Provides Customers with Tools that Support the Differentiated Features of FD-SOI**

MOUNTAIN VIEW, Calif. and SANTA CLARA, Calif., Sept. 8, 2016 /PRNewswire/ -- Synopsys, Inc. (Nasdaq: SNPS) and GLOBALFOUNDRIES today announced that Synopsys has joined the foundry's FDXcelerator™ Partner Program, an ecosystem designed to facilitate 22FDX™ system-on-chip (SoC) designs. This program enables designers to deploy Synopsys' comprehensive RTL-to-GSDII solution with superior power and performance metrics for FDX-based designs. The collaboration accelerates the development of innovative products in applications spanning systems for intelligent clients, 5G connectivity, augmented and virtual reality and automotive.

Through the FDXcelerator Partner Program, Synopsys and GLOBALFOUNDRIES offer easy access to a complete 22FDX Reference Flow based on the Synopsys Galaxy™ Design Platform. This includes validated 22FDX "plug & play" support for tools, including Design Compiler®, IC Compiler II™, IC Validator, PrimeTime®, StarRC™, Custom Compiler™, HSPICE® and CustomSim™ solutions. The collaboration enables Synopsys' tools to enhance support for differentiating GLOBALFOUNDRIES FD-SOI design features, including support for the adaptive body bias that unlocks FDX SoC performance and ultra-low-power operation, while lowering barriers of migration from bulk nodes. This allows engineers to create optimized designs, while minimizing development costs.

"Synopsys' close collaboration with GLOBALFOUNDRIES provides designers access to a trusted EDA solution with advanced technical capabilities to address the requirements for developing differentiated FD-SOI-based designs," said Bijan Kiani, vice president of product marketing for Synopsys' Design Group. "We are helping designers adopt GLOBALFOUNDRIES' innovative FDX offering by delivering comprehensive tools and methodologies to take advantage of the power, performance and cost advantages of the FDX technologies."

"We are thrilled that Synopsys is an initial FDXcelerator partner," said Alain Mutricy, senior vice president of Product Management at GLOBALFOUNDRIES. "Through this collaboration, our mutual customers can now take full advantage of the FDX value proposition by leveraging the validated Synopsys-based reference flow. The FDX-enabled Galaxy Design Platform will offer seamless support of body bias and other critical FDX performance management capabilities. The program will also enable access to Synopsys FDX EDA experts available for proactive training and support of mutual 22FDX design customers."

With the recent announcement of the company's next-generation 12FDX™ technology, the FDXcelerator Partner Program builds upon GLOBALFOUNDRIES' industry-first FD-SOI roadmap, a lower-cost migration path for designers desiring advanced node design. By participating in FDXcelerator and continuing to invest in expanding the feature set of its tools to further support FDX customers, Synopsys is well positioned to participate in the adoption and growth of the FDX market. Moreover, the FDXcelerator Partner Program broadens the qualification and quality assurance collaboration between the companies, including tighter interlock around quality testing and methodology.

Additional Synopsys tools and features will be enhanced for FDX, and more information will be shared with the FDX design community in the months to come. Customers and partners interested in learning more about FDXcelerator can visit www.globalfoundries.com/fdxcelerator.

**About Synopsys**

Synopsys, Inc. (Nasdaq:SNPS) is the Silicon to Software™ partner for innovative companies developing the electronic products and software applications we rely on every day. As the world's 15th largest software company, Synopsys has a long history of being a global leader in electronic design automation (EDA) and semiconductor IP, and is also growing its leadership in software quality and security solutions. Whether you're a system-on-chip (SoC) designer creating advanced semiconductors, or a software developer writing applications that require the highest quality and security, Synopsys has the solutions needed to deliver innovative, high-quality, secure products. Learn more at www.synopsys.com.

**About GLOBALFOUNDRIES**

GLOBALFOUNDRIES is the world's first full-service semiconductor foundry with a truly global footprint. Launched in March 2009, the company has quickly achieved scale as one of the largest foundries in the world, providing a unique combination of advanced technology and manufacturing to more than 250 customers. With operations in Singapore, Germany and the United States, GLOBALFOUNDRIES is a foundry that offers the flexibility and security of manufacturing centers spanning three continents. The company's 300mm fabs and 200mm fabs provide the full range of process technologies from mainstream to

the leading edge. This global manufacturing footprint is supported by major facilities for research, development and design enablement located near hubs of semiconductor activity in the United States, Europe and Asia. GLOBALFOUNDRIES is owned by Mubadala Development Company. For more information, visit http://www.globalfoundries.com.

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