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Modelithics and Signal Edge Solutions Forge Strategic Partnership to Advance Signal Integrity and Power Integrity Modeling

Tampa, Florida (October 7, 2024) – Modelithics, the industry leader in RF and microwave modeling, and Signal Edge Solutions (SES), a cutting-edge provider of simulation, modeling, and measurement solutions, have joined forces in a strategic partnership aimed at advancing signal integrity and power integrity modeling. By combining their advanced simulation and software model development and validation techniques, Modelithics and SES will collaborate to address critical challenges faced by high-speed electronic and power electronic systems designers.

“This partnership represents a leap forward in our mission to provide comprehensive modeling solutions,” says Ben Dannan, Founder and Chief Technologist of Signal Edge Solutions. “Together, we’ll set new benchmarks for accuracy and efficiency.”

Known for delivering top-tier models for RF and microwave applications, supporting a multitude of popular circuit and electromagnetic simulation tools, Modelithics brings industry-leading expertise to the table. Their comprehensive, measurement-validated, model libraries are trusted by engineers worldwide, and have been widely adopted by leading semiconductor companies, defense contractors, instrumentation companies and research institutions.

Signal Edge Solutions is at the forefront of innovation in simulation and modeling. SES specializes in cutting-edge simulation tools and design services for signal integrity, power integrity, and electromagnetic modeling.

“We’re thrilled to collaborate with Signal Edge Solutions,” says Dr. Larry Dunleavy, Founder and CEO of Modelithics. “Our joint efforts will help us to extend Modelithics’ strong expertise in simulation models for RF and Microwave models for active and passive devices to apply to non-RF modeling needs in the high-speed and power electronics application space.”

This partnership will result in new, robust model libraries that combine Modelithics’ established catalog of high frequency models, many of which are applicable to high-speed SI/PI applications, with customized SI/PI models from Signal Edge Solutions. These libraries will empower engineers to achieve even greater accuracy in their signal integrity and power integrity designs, speeding time to market. Together, Modelithics and Signal Edge Solutions aim to elevate the industry standard for signal integrity and power integrity modeling.

About Modelithics, Inc.

Modelithics, Inc. (www.Modelithics.com) was formed in 2001 to address the industry-wide need for high-accuracy RF and microwave active and passive simulation models for use in Electronic Design Automation (EDA). Modelithics' premium product is the Modelithics® COMPLETE Library, which includes the CLR Library™, containing measurement-based Microwave Global Models™ for a multitude of commercially available passive component families, as well as non-linear diode models, non-linear transistor models, and system-level component models. Modelithics' services also address a wide range of custom RF and microwave measurement and modeling needs. Modelithics product offerings, which support multiple EDA software platforms, also include the Modelithics mmWave & 5G Library, Modelithics System Components Library™ the Modelithics COMPLETE+3D Library. Modelithics® is a registered trademark of Modelithics, Inc. Microwave Global Models™, System Components Library™, and CLR Library™ are also trademarks of Modelithics, Inc. The Modelithics Vendor Partner (MVP) Program allows for collaboration and open communication during the development of advanced data sets and models for commercially available microwave components and devices, with flexible sponsorship and distribution arrangements for the resulting data and models. An example of such an arrangement is the Modelithics Qorvo GaN Library, a fully sponsored library distributed for free by Modelithics under the sponsorship of Qorvo®. Modelithics also offers a Standard and Custom Test Fixture and Accessory Product Line, including a family of thin film ProbePoint™ Alumina substrate fixtures.

About Signal Edge Solutions, LLC.

Signal Edge Solutions, LLC (www.signaledgesolutions.com) was founded on the belief that there is a significant gap in the signal integrity and power integrity (SI/PI) fields. Signal Edge Solutions is addressing this gap by providing highly advanced services and products that focus on high-speed measurement, measurement-based modeling, and electromagnetic (EM) modeling services tailored to ASICs, chiplets, package, and printed circuit board (PCB) design, in addition to other specialized engineering consulting services, which includes EMC testing, ASIC package design, chiplets package design, end-to-end SI/PI simulation modeling of complex ASICs and FPGA designs.

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