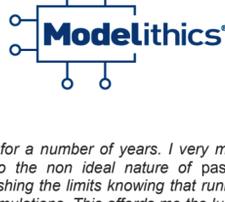


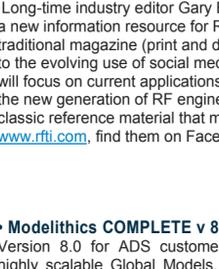
4th Quarter Newsletter



• What Designers are saying:

"I have had Modelithics Libraries as part of my RF Toolbox for a number of years. I very much enjoy being able to switch off my brain when it comes to the non ideal nature of passive components in different environments and am comfortable pushing the limits knowing that running out of Q at frequency or nasty resonance will show up in my simulations. This affords me the luxury of First Pass Successes and being able to focus wholly on the particular design challenge or problem to be solved. Many thanks to the helpful people at Modelithics."

Phil Jobson, Phil Jobson Consulting (Consultant to Pocket Radar)



Meet John Fisher, Modelithics' new VPO.

As the newest member of Modelithics' management team, John brings more than 29 years of engineering & management experience to the table. He will be a valuable asset in our process of reducing turn-around time for custom projects, enhancing the value of our libraries and continuing our domestic and international growth.

[Press Release](#)

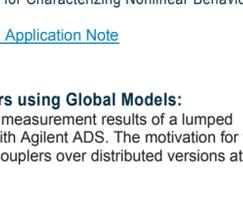
• Modelithics Welcomes New Industry Resource: **RF Technology International.**

Long-time industry editor Gary Breed is developing RF Technology International (www.rfti.com) a new information resource for RF and microwave engineers. This new venture begins with a traditional magazine (print and digital) and a Web site information center, with special attention to the evolving use of social media and new platforms like pad PCs and smartphones. RFTI will focus on current applications being developed by working engineers with added support for the new generation of RF engineers, regularly reviewing fundamental principles, and revisiting classic reference material that may be hard to find online. Visit their preliminary web site at www.rfti.com, find them on Facebook soon, or just send Gary a note at gary@rfti.com

• Modelithics COMPLETE v 8.0 for ADS 2011.

Version 8.0 for ADS customers introduces 46 new highly scalable Global Models, each representing an entire family of passive RLCs and 18 non-linear models of diodes, switches, amplifiers and transistors. Upgrades for customers under a valid maintenance contract are free of charge.

[Press Release](#) [Release Notes](#) [Free Trial](#)



• Modelithics COMPLETE v 8.0 for AWR Microwave Office 2011 Coming Soon!

Scheduled for release this quarter, Version 8.0 for MWO customers will introduce many new linear and non-linear models and provides for improved APLAC engine compatibility.

Agilent and Modelithics Collaboration

• Evaluating X-parameter Models.

Power amplifiers (PAs) play an important role in RF and MW communication systems. To successfully design such systems, accurate modeling of the PA using circuit-level or behavioral models is critical. This note evaluates X-parameter*, P2D and S2D Models for Characterizing Nonlinear Behavior in Active Devices.

[Read Collaboratively Developed Application Note](#)

• App Note 038—Design of Lumped Element Couplers using Global Models:

This note discusses the design, simulation, optimization & measurement results of a lumped element hybrid coupler using our CLR Library in concert with Agilent ADS. The motivation for this work stems from the size advantages of lumped element couplers over distributed versions at lower microwave frequencies. [Read App Note 038 Now](#)

• Accurate Co-Simulation of Surface-Mount Capacitors in Shunt Configurations:

One of the challenges in developing high-accuracy compact models is enabling sufficient versatility for designers to select layout configurations that are different from the test fixtures used in the characterization and model extraction process. [Read Now](#)

• Modelithics Partners with RDT Systems

Larry Dunleavy, CEO Modelithics and Avi Tiv, General manager of RDT Systems, have signed a comprehensive agreement designed to support Israel's market for high accuracy RF and microwave simulation models and characterization service.

[Press Release](#)

Modelithics signs

RDT Systems

As their Representatives

in Israel

*X-parameters is a trademark of Agilent Technologies. The X-parameter format and underlying equations are open and documented. For more information, visit www.agilent.com/find/eesof-x-parameters-info.

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