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Modelithics®

World's Best RF & Microwave Simulation Models

June 2022

See How Modelithics is Making Waves Lately!

Announcements | **What's New** | **Literature & Presentations**

Join Us at IMS 2022

#IMS2022

Colorado Convention Center • Denver, CO

IMS Connecting Minds. Exchanging Ideas.



Booth #7010

EXPLORE THE PEAKS OF MICROWAVE ENGINEERING DENVER2022

19-24 June

IEEE



Join Modelithics at IMS 2022 for RF Boot Camp!

Be sure to register for RF Boot Camp! This one day course is ideal for newcomers to the microwave world, as well as marketing and sales professionals looking to become more comfortable in customer interactions involving RF & Microwave circuit and system concepts and terminology. This year's RF Bootcamp will include speakers from Keysight Technologies, Analog Devices, Oregon State University, University of South Florida and Modelithics!

Monday, 20 June 2022
8:00am – 4:45pm • Room 601-603

Oregon State University | Modelithics® | KEYSIGHT TECHNOLOGIES | ANALOG DEVICES AHEAD OF WHAT'S POSSIBLE™ | USF

View the RF Boot Camp Course Abstract



Just Like Modelithics Models...

Get a retun on your time & investment by attending a presentation and enter to win

$100!

(Attendance at one of the Modelithics booth presentations is required to enter the drawing for the $100. One winner per presentation at the Modelithics booth #7010. Must be present to win.)

IMS 2022 Modelithics Presentation Schedule

Tuesday, June 21st

11:00am — ***Learn About Modelithics Extensive Characterization & Modeling Services***
(Dr. Larry Dunleavy, President & CEO) ***(Modelithics Booth #7010)***

1:30pm — ***Increase Your First-Pass Design Success with Modelithics Unique Premium Models!***
(Chris DeMartino, Sales & Applications Engineer) ***(Modelithics Booth #7010)***

cadence **2:30pm** — ***Announcing Modelithics 3D Geometry Models for Cadence® Clarity™!***
(Eric O'Dell, VP of Product Development) ***(Cadence Booth #5050)***

Wednesday, June 22nd

11:00am — ***Learn About Modelithics World Class GaN Characterization and Modeling Services!***
(Hugo Morales, VP of Engineering) ***(Modelithics Booth #7010)***

1:30pm — ***Meeting the Evolving Needs of Design Engineers with Modelithics 3D Geometry Modeling & Modelithics COMPLETE+3D Library***
(Hugo Morales, VP of Engineering) ***(Modelithics Booth #7010)***

1:45pm — ***WEMA48: PA Design Using Nonlinear Embedding Models***
(Chris DeMartino, Sales & Applications Engineer) ***(Micro Apps Booth #9110)***

cadence **2:30pm** — ***Increase Your First-Pass Design Success with Modelithics Unique Premium Models in Cadence AWRDE® and Spectre RF®!***
(Eric O'Dell, VP of Product Development) ***(Cadence Booth #5050)***

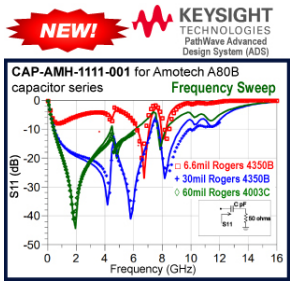
Ansys **3:00pm** — ***Modelithics COMPLETE+3D Library Overview for Ansys® HFSS™***
(Chris DeMartino, Sales & Applications Engineer) ***(Ansys Booth #8042)***

Thursday, June 23rd

9:30am — ***THMA61: Highly Accurate RF System Modeling***
(Chris DeMartino, Sales & Applications Engineer) ***(Micro Apps Booth #9110)***

11:00am — ***Increase Your First-Pass Design Success with Modelithics Unique Premium Models!***
(Eric O'Dell, VP of Product Development) ***(Modelithics Booth #7010)***

Announcements



Modelithics® Releases the COMPLETE Library™ v22.1 for Keysight Technologies' PathWave Advanced Design System

Modelithics is pleased to announce the release of version 22.1 of the Modelithics COMPLETE Library for use with Keysight Technologies' PathWave Advanced Design System (ADS). This version adds a total of **26 new models**. With these new additions, the Modelithics COMPLETE Library now includes over **825** models that represent over **25,000** passive and active RF/microwave components.

Press Release | Release Notes | Library Brochure

Request a FREE Trial Today!

What's New With Us and Our Partners

Modelithics Welcomes Tecdia as Sponsoring MVP

Modelithics welcomes Tecdia into the Modelithics Vendor Partner (MVP) Program at the Sponsoring level. As a Sponsoring MVP, Tecdia and Modelithics are in collaboration to develop models for Tecdia's new dielectric varactors with part numbers **HBC2R2Y20X10X5A02** and **HBCR22AY20X10X5A02**. Through the MVP Program **FREE extended 90-day trials** will be available to RF/microwave designers for the Modelithics models for Tecdia components once developed.

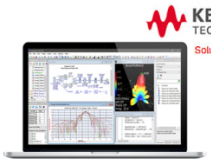
Press Release

See What Our Customers Are Saying About Us

Testimonial: Thank you very much for all of your assistance in setting up the Modelithics libraries. Your service is top notch and you should be very proud of it!

– Eric Hoppenjans
Indiana Microelectronics, LLC

Literature & Presentations



Video: Modelithics QuickStart Tutorial For Keysight Technologies' PathWave System Design (SystemVue)

This video demonstrates a workflow for performing EM/circuit co-simulations that combines Keysight Technologies' RFPro EM environment with Modelithics Microwave Global Models for passive components.



Article: Take Advantage of 3D EM Simulation for Densely Packed Designs

This article will demonstrate how 3D models can be used to accurately predict the real-life performance of designs in which components are located very close to one another. This analysis is conducted by performing planar EM/circuit co-simulations with Ansys Electronics Desktop and 3D EM simulations with Ansys HFSS.

View All Published Articles

View Additional Literature and Presentations

- **Video: Modelithics Model Improvements in Keysight Genesys**
- **Application Note 081: EM/Circuit Co-Simulation Using Modelithics Models in Keysight Technologies' PathWave RF Synthesis (Genesys)**
- **Application Note 080: Performing ESR Simulations of Modelithics Microwave Global Models in Keysight PathWave Advanced Design System (ADS)**





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