



## **Omega Enterprises Consulting**

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### **Omega Enterprises**

Founded in 1998, Omega Enterprises provides consulting services which include but are not limited to:

- Analog and RF integrated circuit design.
- Application of circuit simulation tools to analog and RF circuit design problems.
- Modeling of semiconductor devices, including silicon CMOS, silicon bipolar, and compound semiconductor MESFET's and PHEMT's.
- Assistance with the assertion and interpretation of patents and trade secrets involving semiconductor devices and circuit design techniques.
- Expert witness work in patent and trade secret litigation.

### **Laurence W. Nagel**

Now with more than 35 years of experience in the integrated circuit industry, Dr. Nagel earned his BS, MS, and PhD degrees at the University of California where he was the lead developer of the SPICE circuit simulation program. As a result, a cottage industry of SPICE simulation tools was launched that proved very valuable to industry.

During his 20 year career at Bell Laboratories, Dr. Nagel

- Developed the ADVICE circuit simulation program
- Managed the development of process and device simulation tools
- Participated in the development of the Kull-Nagel bipolar model
- Designed analog circuits for submicron NMOS processes
- Worked on assertion of patents and negotiation of patent licenses in the AT&T Intellectual Property Division
- Was project manager for the Celerity circuit simulation program development

While at Anadigics, Inc., he worked on supporting simulation of RF integrated circuits; modeling and characterization of GaAs MESFET device processes; and importing silicon CMOS design tools and foundry support.

As an independent consultant, Dr. Nagel comes with extensive experience as an expert witness as well as in other consulting work.