

## **JGunn Research Capabilities and Experiences**

Dr. James (Jim) E. Gunn through JGunn Research provides high technology technical and market research services and develops reports and presentations to support his clients. He specializes in developing winning intelligence; technical and market understandings and strategies; technical specifications; and business develop plans. He also provides technology and business development services. His activities include focused single client studies, multi-client studies, as well as authoring reports for general sale. When required, he can draw on many associates to create highly capable teams or projects with responsive expertise and scope.

Jim Gunn offers more than 35 years of experience specializing in advanced communication and related technologies including wireless systems and technologies, digital signal processing (DSP), multi-media networks, telecommunications, intelligent transportation systems (ITS), Next Generation Networks (NGN), modems, speech processing, and computer/digital systems. Functionally, he has contributed as communication consultant, engineering manager, project manager, market researcher, system engineer, technical marketing specialist, and hardware and software engineer.

### **Work Experiences**

#### **JGunn Research**

**September 1996 to Present**

Select major projects and clients are presented below.

Under contract to the SDR Forum, he researched and authored seven market and technology reports on SDR. These reports are 1) SDR Market Study: Market Segmentation and Sizing, 2) SDR Market Study: Cellular: Terminals and Infrastructure, 3) WiFi, WiMAX, and beyond 3G / 4G, 4) The US Public Safety Market, 5) SDR Technology Study, 6) Cognitive Radio Market, and 7) The Telematics Market. In researching and authoring these reports, he engaged management, technical and marketing experts from well over 100 companies, universities, government, and other organizations contributing to SDR initiatives. He successfully influenced industry experts to present on SDR-relevant technologies and applications at SDR Forum meetings. He presented results and conclusions of his research at SDR Forum meetings.

He is the author of a series of technical reports entitled Wireless Infrastructure Technology and Markets that were published by Forward Concepts. These comprehensive market/technical reports cover the evolution of cellular/PCS from 2G analog to Global 3<sup>rd</sup> Generation (3G) and Beyond technologies. These projects developed comprehensive wireless market forecasts, standards evolution roadmaps, and key technology and market drivers.

As associate of Telenetics GDI, he serves in an advanced system design and program management role for communication systems for ITS and related transportation systems. He developed and presented a comprehensive seminar on “Integrated Communication Networks for Intelligent Transportation Systems (ITS) with Emerging Commercial Communication Synergies.”

At Texas Instruments he served as winning proposal manager and then project manager on an advanced DARPA program to apply SDR and DSP technologies to next generation military communication systems.

### **Education and Associations/Affiliations**

Ph.D.; Southern Methodist University; specialization in the Electrical Engineering fields of statistical communication and control and DSP.

BS, MS; Oklahoma State University; Electrical Engineering

Registered Professional Engineer in the States of Texas and Florida.

IEEE, Institute of Electrical and Electronic Engineers, Senior Member