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## **FOR IMMEDIATE RELEASE**

### **SyntheSys Research Demonstrates Digital Analysis Systems To Fiber Optic Community at OFC**

#### **Sixteen Channel Analysis at up to 14.4 Gbit/sec and 1 Gbit/sec Single-channel Analysis Now Available**

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**Anaheim, Calif.—March 19, 2001**—SyntheSys Research, Inc., the industry leader in advanced digital bit error ratio analysis test and measurement equipment, announced today the introduction of two new digital data analysis systems for fiber optic system manufacturers, developers and researchers during the OFC 2001 conference, March 19 through 21, at the Anaheim Convention Center. The company will demonstrate its product line in Booth 2276.

SyntheSys will demonstrate the BitAlyzer®14400 parallel bit error ratio analyzer with LVDS interface, which enables data analysis of 16 simultaneous channels at up to an aggregate data rate of 14.4 Gbits per second; and the BitAlyzer®1000 bit error analyzer, which analyzes error rates in real time at 1 gigabit per second.

The BA14400, the latest in the BitAlyzer family of digital analysis systems, consists of separate data generator and detector units and is designed to assist development and manufacturing engineers, who test high data rate, multi-channel systems and 16:1 multiplexing devices as used in applications such as wavelength division multiplexing (WDM).

Available with ECL, PECL or LVDS logic level interfaces, the BA14400 enables 16 channels to be tested in parallel. Real-time histograms and correlations describing a device's digital error characteristics are provided based upon SyntheSys Research's patented Error Location Analysis™ technology. The analyzer can be used for evaluation and debug during development and for product certification in the manufacturing process. It is a cost effective alternative to using high-speed serial bit error ratio testers at 2-3 times the cost.

The BitAlyzer BA1000 bit error analyzer is the successor to the industry-standard BitAlyzer BA622. Its greater speed enables electronic designers and technicians to keep pace with ever-increasing digital channel speeds, and can be used for design debug, product certification and monitoring digital signals at nearly 38 percent faster throughput than the 622 model.

“Because fiber optics technology provides a major key to the success of the worldwide telecommunications and data communications markets, the need to assure the quality of data multiplexers and demultiplexers is key to customers and the industry at large,” said Tom Waschura, president of SyntheSys Research. “Our new BitAlyzer systems offer developers of

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fiberoptic systems the capability to rapidly identify the source of data errors and reduce the likelihood of errors occurring in the field.”

Both systems are currently available for purchase directly from SyntheSys Research and selected dealers worldwide.

**About SyntheSys Research**

SyntheSys Research, Inc., supplies advanced digital channel error analysis instruments to the communications, recording and digital video industries. A privately held California corporation founded in 1989, the company’s mission is to develop new, advanced test instruments in high-speed electronics, highly integrated microprocessors, and software. SyntheSys’ patented BitAlyzer® analyzers study the location of errors in a data stream in addition to counting errors, providing more detailed information for engineers to discover the source of errors. Major global clients owning SyntheSys products include ABC (US), Allied Signal, Boeing, CBS, CNN, Fujitsu, Harris, HBO, Hitachi, Hughes, IBM, Lucent, NASA, National Semiconductors, NEC, Nortel, Samsung, Sony, Tektronix, TRW, US Air Force and the US Navy. For further information, call (650) 364-1853 or see the company website at [www.synthesysresearch.com](http://www.synthesysresearch.com).

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