

# 2010 Creative STORAGE<sup>SM</sup> CONFERENCE

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## **TITLE: Connection Options for Network Storage**

### **ABSTRACT**

As we approach a petabyte server, the options for connections between source devices and storage become even more critical. This is a short presentation to outline many connection options currently available and future options being developed or discussed such as wireless options (from 802.11a/b/g/n to ultrahigh frequency wide bandwidth), and wired options( coax, especially wide bandwidth coax, twisted pairs, up to 10GbaseT and the rise of 40GbaseT and 100GbaseT on copper), fiber options (especially single mode) and some future possibilities such as room-temperature super conductors, carbon nanotube conductors and multi-dimensional signaling. A clear distinction will be made between what can be purchased today, what is in development, and future technology not yet in any concrete form.

### **BIOGRAPHY**

Steve Lampen has worked for Belden for nineteen years and is currently Multimedia Technology Manager and also Product Line Manager for Entertainment Products. Prior to Belden, Steve had an extensive career in radio broadcast engineering and installation, film production, and electronic distribution. Steve holds an FCC Lifetime General License (formerly a First Class FCC License) and is an SBE Certified Radio Broadcast Engineer. On the data side he is a BICSI Registered Communication Distribution Designer. His latest book, "The Audio-Video Cable Installer's Pocket Guide" is published by McGraw-Hill. His column "Wired for Sound" appears in Radio World Magazine.