

Joint Symposium 2013
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Invited Speech: The Industry's First Manufacturing Intelligence Solution based on Big Data Technology

Mr. Thomas Sonderman

BISTel Inc

About the Speaker

Thomas Sonderman is currently an executive consultant with BISTel. He is focused on the development and execution of business strategies that accelerate the global proliferation of BISTel's industry-leading EES and Yield Improvement solutions.

Sonderman was formerly the Vice President of Manufacturing Technology at GLOBALFOUNDRIES. In this role, he had global responsibility for creating multi-fab breakthrough solutions that delivered a competitive business advantage. These included GLOBALFOUNDRIES' proprietary Design Enhanced Manufacturing (DEM) and Automated Precision Manufacturing (APM) technologies. His organization also designed and integrated the differentiated systems capabilities that formed the foundation of GLOBALFOUNDRIES' automation capabilities. Leading the design and start-up of new GLOBALFOUNDRIES facilities was an integral part of his role.

Sonderman joined GLOBALFOUNDRIES after 20 years with AMD, where he held numerous executive management and engineering positions.

Prior to joining AMD, Sonderman worked as a process control engineer for Monsanto Chemical Inc. He is a recognized expert in the area of manufacturing control and automation for high-volume semiconductor fabrication and is a highly sought-after speaker at industry conferences. Sonderman is the author of over 45 patents and has published numerous articles in the area of semiconductor fabrication technology.

Sonderman received a bachelor's in chemical engineering from the Missouri University of Science and Technology in 1986 and a master's in electrical engineering from National Technological University in 1991.

Abstract