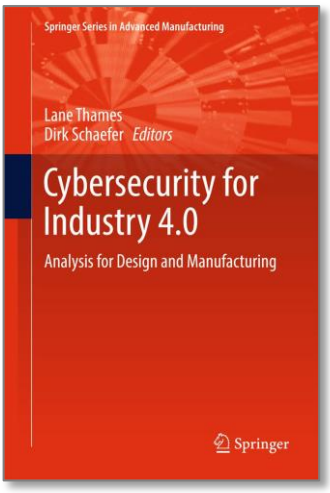
Concurrent Technologies Corporation Contributes to Textbook on Cybersecurity and Additive Manufacturing

Concurrent Technologies Corporation (CTC) employees have written a textbook chapter on an issue that involves two of the company's key capabilities – cybersecurity and additive manufacturing (AM).



The rise of AM is providing a re-birth for American manufacturing and manufacturing engineering, but the field is growing so rapidly that information security vulnerabilities could arise. The publisher of the new textbook *Cybersecurity for Industry 4.0* approached CTC to author a chapter based on the company's unique expertise. "Industry 4.0" refers to the fourth industrial revolution, the use of automation and data exchange in manufacturing.

CTC employees Scott Zimmerman, Advisor, Information Technology, and Julia DeSantis, Technical Writer, along with former CTC employee Dom Glavach, now Chief Security Strategist at CyberSN, wrote the Springer International Publishing textbook chapter, which is available on Google and Amazon Books.

"The fast growth of AM and the potential afterthought of security applications in the commercial Direct Digital Manufacturing (DDM) environments have left the doors open for many traditional information security vulnerabilities," explained Zimmerman. "And it's a terrific challenge for CTC to explore, because it leverages the expertise of our technology and engineering groups."

The book's cover says this text offers "a valuable resource for practicing engineers and decision makers in industry, as well as researchers in the design and manufacturing communities and all those interested in Industry 4.0 and cybersecurity."

The textbook authors are Lane Thames, who has focused on cybersecurity in information technology, computer communications, and software engineering for 15 years, and Dirk Schaefer, who has more than 20 years of experience in computer-aided design, engineering, and manufacturing.