

## GOMACTech 2007 Technical Session Proposal and Information Form

<b>Session Title:</b>	Power Electronic Technologies
<b>Session Abstract (250 words):</b>	Significant progress has recently been made in demonstrating SiC devices with high voltage and high current capability. Advances have also recently been made in pulse power switches. In addition, new modular, software programmable power converters have been recently introduced to the market. This session will review the status of current SiC power electronic technology, pulse power technology and advanced modular power converters.

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Possible paper titles and speakers (Speakers not yet invited).

**1. Applications and Status of SiC Power Electronics**

**2. SiC Technology for Power Electronics**

**3. Status of SiC Power Devices**

**4. SiC for Industrial Applications**

**5. Applications of SiC to Commercial Technologies**

**6. Pulse Power for Army Applications**

**7. Rail Gun Technology and Issues**

**8. Advanced Software Programmable Power Converters  
Superconductor**

**Sharon Beerman Curtain – DARPA**

**John Palmour – Cree**

**Marc Sherwin – Northrop**

**Jesse Tucker – GE**

**Advanced Power Technologies**

**Steve Bayne – Army ARL**

**Jack Bernardes NSWC Dalgren**

**Perry Shugard – American**