



Contribution ID: 7

Type: **Poster Presentation**

## **Bridge topology as primary switch for magnetic pulse compression circuit**

*Thursday 7 July 2016 14:30 (20 minutes)*

An IGBT switch together with a blocking diode is normally used for the primary switch in a magnetic pulse compression circuit. In the presented paper a full bridge configuration as a primary switch is proposed. The configuration shows advantages especially for high repetition rate systems. It shows also higher efficiencies because no special network is necessary for the reflected energy. The system can work with different kind of loads including short circuit and open loop. Design, calculations and first test results are presented.

**Author:** STROWITZKI, Claus (Mlase AG)

**Presenter:** STROWITZKI, Claus (Mlase AG)

**Session Classification:** Poster 2-C

**Track Classification:** Solid State Power Modulators, Components, and Systems