



**Name:** Steven Fleshler

**Affiliation:** American Superconductor Corporation (AMSC)

**Position:** Director of Wire Research, Development and Engineering (2G)

**Previous Positions:** Director of Engineering (AMSC) – 1G Wire  
Senior Technical Staff Member (AMSC) – Electrical characterization and application science

**Education:** Ph.D. Condensed Matter Physics, Purdue University  
Graduate Fellowship, Argonne National Laboratory, Basic Energy Sciences on Superconductivity  
Post-Doctoral Fellowship, Los Alamos National Laboratory, Superconductivity Technology Center

**Research Interests/Areas of Expertise:**

Materials physics, electrical and thermal properties of superconductors and their relation to applications: AC Loss in wires and cables, fault current limiting properties, high magnetic fields and flux pinning.

**Publications:** Authored or co-authored over 70 publications on basic and applied superconductivity.

**Approximate Number of Years in Applied Superconductivity:** 20-25

**Membership in Professional Societies:**

- MRS (past member)
- APS (past member)

**Service to Related Conferences:**

- Served various panels sponsored by the Department of Energy to guide government programs on superconductor wire research, conductor development and studies of ac loss.

**Other:**

- Technical Advisor to US National Committee of TC 90 for Superconductivity in the IEC.
- Visiting scientist positions on both the basic science and practical aspects of HTS materials:
  - Massachusetts Institute of Technology Plasma Fusion Center,
  - Brookhaven National Laboratory,
  - Naval Research Center and the
  - National High Magnetic Field Laboratory