

SUPERCONDUCTIVITY APPLICATIONS

ASC2010

Philtec conducted a very successful booth exhibit at last week's Applied Superconductivity Conference in Washington, DC. Here is what we learned:

- MRI is the largest commercial application of superconductivity
- Researchers in the SuperC community are working on building
 1. better and stronger magnets
 2. better superconductors
 3. better cryostats
 4. bigger and better MRI



Fiber Optic Sensors and SuperC

We are very excited to find that our sensors are being embraced by the Superconductivity community.

MRI Research

Fiberoptic sensors are capable of operation while immersed in liquid helium and under extremely high magnetic fields.

The alignment and related clearances between the vessels that make up the cryostat in an MRI magnet are a major problem in the MRI imaging technology. Philtec sensors provide researchers with new tools which can be used to measure clearances to the superconductors and deformations of the magnet structures.

PHILTEC

FIBEROPTIC SENSORS

DISTANCE • DISPLACEMENT • VIBRATION

- VACUUM FEEDTHRU
- MRI APPLICATIONS
 - Measure Movement In MRI Fields
 - Measure Movement Inside Cryostats

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