

# Design Resources to Help Achieve EMC Compliance

By Gary Breed  
Editorial Director

Here are some of the places to find information and support for EMC-related design techniques and compliance testing

Where do you go for help with design for compliance with electromagnetic compatibility standards? This article provides some answers to

that question, listing some of the books, technical notes, consultants and events that involve this aspect of engineering design.

In addition to the above, many countries have national standards organizations. Also, many industries and government agencies have specialized EMC standards, or EMC working groups. For example, most groups involved with military electronics, medical equipment or consumer electronics have significant involvement in EMC performance requirements and standards development.

## EMC Standards Organizations

### ANSI

<http://www.ansi.org/>

The American National Standards Institute (ANSI) develops standards for many technology areas, including EMC/

### CISPR

[www.iec.ch](http://www.iec.ch)

The Comité International Spécial des Perturbations Radioélectriques (French), or, The Special International Committee on Radio Interference. This organization is part of the International Electrotechnical Commission (IEC)

### IEEE

[www.standards.ieee.org](http://www.standards.ieee.org)

The IEEE Standards Association is the world's leading electronic standards organization.

### SAE

[www.sae.org](http://www.sae.org)

The SAE EMC Standards Committee covers EMC requirements in the automotive and aerospace industries.

## 2011 EMC Events

### 2011 Asia-Pacific EMC Symposium

16-19 May 2011 — Jeju Island, Korea  
[www.apemc2011.org/main/](http://www.apemc2011.org/main/)

### URSI General Assembly and Scientific Symposium (*Commission E deals with the EM environment and interference*)

13-20 August 2011 — Istanbul, Turkey  
[www.ursigass2011.org](http://www.ursigass2011.org)

### IEEE EMC International Symposium and Exhibition

14-19 August 2011 — Long Beach, CA  
[www.emc2011.org](http://www.emc2011.org)

### IECAA 2011/IEEE APWC 2011 Joint International Conference on Electromagnetics in Advanced Applications; IEEE-APS Topical Conference on Antennas and Propagation in Wireless Communications

12-17 September 2011 — Torino, Italy  
[www.iecaa.net](http://www.iecaa.net)

### EMC Europe 2011

26-30 September 2011 — York, UK  
[www.emceurope2011.york.ac.uk](http://www.emceurope2011.york.ac.uk)

**EMC Training and Consulting**

**Compatible Electronics**

Brea, CA  
714-579-0500  
www.celectronics.com

**D. C. Smith Consultants**

Los Gatos, CA  
800-323-3956 or 408-356-4186  
www.dsmith.org

**D.L.S. Electronic Systems, Inc.**

Wheeling, IL  
847-537-6400  
www.dlsemc.com

**Don Heirman Consultants**

Lincroft, NJ  
732-741-7723  
www.donheirman.com

**EMC Consulting Inc.**

Merrickville, Ontario, Canada  
613-269-4247  
www.emcconsultinginc.com

**Henry Ott Consultants**

Livingston, NJ  
973-992-1793  
www.hottconsultants.com

**Hoolihan EMC Consulting**

Lindstrom, MN  
651-213-0966  
e-mail: danhoolihanemc@aol.com

**JAS-TECH**

Farmington Hills, MI  
248-895-0394 or 248-489-0007  
www.jastech-emc.com

**Kimmel Gerke Associates, Ltd.**

Mesa, AZ and S. St. Paul, MN  
888-EMI-GURU  
www.emiguru.com

**Newson Consulting, Inc.**

Redondo Beach, CA  
310-371-3903  
www.newson-consulting.com

**Silent Solutions LLC**

Amherst, NH  
603-578-1842  
www.silent-solutions.com

**Steve Jensen Consultants Inc.**

Redlands, CA  
909-389-2599  
www.stevejensenconsultants.com

**Terry Fox & Associates**

Issaquah WA  
425 391-8696  
www.siemc.com

**Washington Laboratories, Ltd.**

Gaithersburg, MD  
301-216-1500  
www.wll.com

**Wyatt Technical Services, LLC**

Woodland Park, CO 80863  
719-310-5418 or 877-443-9275  
www.emc-seminars.com

For more information, we recommend that readers begin their Internet search with the IEEE EMC Society web site: [www.emcsociety.org](http://www.emcsociety.org). Many of the above consultants also have web links and technical resources.