

# Appendix F

## Web resources

These sites, which includes a number of commercial companies, were correct as of 2005, when last updated — web sites do change from time to time. This list is far from exhaustive, but gives a flavour of the variety of CEM products on offer, as well as the international technology base in this regard. Some additional listings have been added since publication of the book.

**Ansoft Corporation** A Pittsburgh, USA-based company specializing in commercial FEM code suites.

URL: <http://www.ansoft.com/>

**Applied Computational Electromagnetics Society** An organization supporting the development, validation, and distribution of numerical EM modelling codes. Presently hosted by the University of Mississippi. Contains a number of very useful CEM links, including links to the public domain code NEC2.

URL: <http://aces.ee.olemiss.edu/>

**Computer Simulation Technology** Based in Darmstadt, Germany, this company specializes in commercial Finite Integration Technique (largely FDTD) code suites, in particular MWS.

URL: <http://www.cst.de/> or <http://www.cst-world.com/>

**COMSOL** A Swedish company, their main product is FEMLAB, a multi-physics FEM solver.

URL: <http://www.comsol.se/>

**EMLIB** This site, maintained at JPL, has been created for the free distribution of electromagnetics software and related information. This related information includes relevant conference information, a list of other EM sites, and a user-defined searchable directory of people working in the EM field.  
URL: <http://emlib.jpl.nasa.gov/>

**EMSS (Electromagnetic Software and Systems)** Originally based in Stellenbosch, South Africa, this company now also has a German branch and US offices. Their main product is FEKO. They also provide a free GUI for NEC2, Wire-grid for Windows. Subsequent to publication of this book, a major upgrade of FEKO was released (July 2005), incorporating an integrated graphical modelling and meshing tool and a new post-processor, as well as adding a MoM/FEM hybrid treatment to the computational engine.  
URL: <http://www.emss.co.za/> or <http://www.feko.info/>

**MININEC website** EM Scientific, Inc market a professional version of this code.  
URL: <http://www.emsci.com/>

**NEC2 homepage** An unofficial homepage with a number of a number of links, as well as much of the NEC2 documentation.  
URL: <http://www.nec2.org/>.

**REMCON** A US company, offering XFDTD, an FDTD-based package.  
URL: <http://www.remcom.com/>

**Poynting Software** Another South African company, based in Johannesburg, offering SuperNEC.  
URL: <http://www.supernec.com/>

**The Schneider-Schlager FDTD database** An exhaustive bibliography of published work dealing primarily with applications of, or extensions to, the FDTD method.  
URL: <http://www.fDTD.org/>

**SEMCAD** Based in Switzerland, this company offers a 3D FDTD solver, with supporting GUI.  
<http://www.semcad.com/>

**Vector Fields** A UK-based company. Their main offering is CONCERTO, which includes an FDTD 3D solver, a MoM frequency domain module, and a 3D

geometric modeller.

URL: <http://www.vectorfields.com>

**WIPL-D** This company, based in Serbia, but with strong US links, offers the eponymous WIPL-D code. This is a MoM-based tool, incorporating a treatment for both metallic and dielectric structures.

URL: <http://www.wipl-d.com/>

**Zeland Software** Based in California, their best-known product is probably IE3D, a planar and 3D MoM simulation package. It is widely used for microstrip structure simulation.

URL: <http://www.zeland.com/>

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