

## WIPL-D Microwave Pro

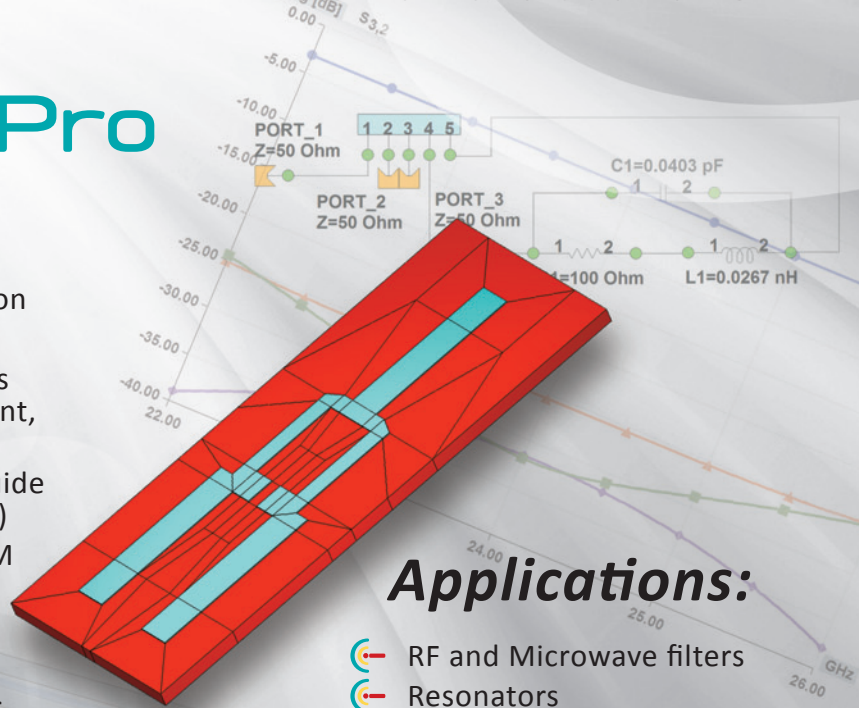
### Features:

- Microwave circuit and 3D EM co-simulation
- On-the-fly 3D EM components simulation
- Optimization of circuits and EM structures (Genetic, Particle Swarm, Simplex, Gradient, Multiminima Algorithms)
- Microstrip, Coplanar, Coaxial and Waveguide Libraries (closed-form and 3D EM models)
- Automated microstrip schematic to 3D EM model conversion
- Comprehensive set of teaching examples
- Ready-to-use engineering examples
- Link to Filter Designer and Array Designer

### New:

- GPU powered acceleration
- Parameter Sweep and Time Domain Solver
- Tuner tool in real time
- Change of all selected components model by a single click (e.g. EM to Analytical)
- Floating ground transmission line components
- Active frequency as a symbol entity
- Extended list of functions to use with symbolic variables
- New components in many pallets (Ideal, Lumped, Rectangular,...)

*Design and simulate  
Fast and accurate*



### Applications:

- RF and Microwave filters
- Resonators
- Matching networks
- Antennas with matching structures
- Phased arrays with feeding structures
- Directional couplers
- Power dividers
- Connectors
- Bond wires

