

# WIPL-D Pro V15

*New Generation  
of GPU and DDS Solvers*

**released!**

## **New:**

- ☞ NEW generation of GPU Solver
  - improved efficiency of multiple GPU setup
  - support for arbitrary number of GPUs
  - ultra-fast in-core solution for multiple excitation
- ☞ FAST in-core solution for multiple excitation in CPU solution
  - block forward/backward substitution
  - applicable to monostatic RCS and antenna arrays
- ☞ Advanced GUI options
  - Exporting videos from the field and the currents animation
  - representation of currents for selected domains
  - phase center calculation ...
- ☞ DDS (Domain Decomposition Solver)
  - memory resources reduced for an order of magnitude
  - efficient handling of multiple excitations
  - fast convergence for structures with cavities
- ☞ RCS calculation using real life antenna excitation - emulation of RCS measurements
- ☞ GPU Cluster Solver
  - advanced software/hardware resource management
  - assistant node concept ...

## **Features:**

- ☞ Full 3D EM simulation in frequency domain
- ☞ Metallic, dielectric and magnetic materials
- ☞ Lumped elements and distributed loadings
- ☞ Add-ons: GPU Solver, Optimizer, Time Domain Solver, Circuit Solver (Microwave) and 2D Solver
- ☞ Applications: antenna design and placement, scatterers, microwave circuits and waveguides, EMC ...