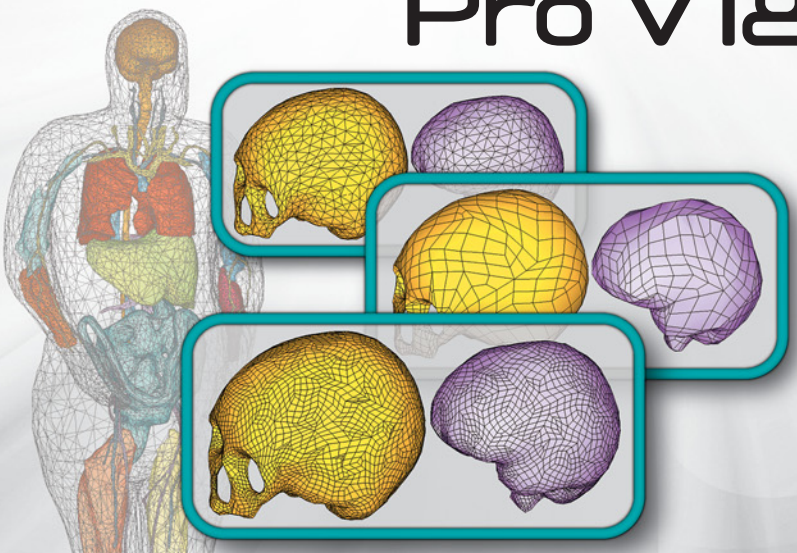
# ORDER OF MAGNITUDE AHEAD

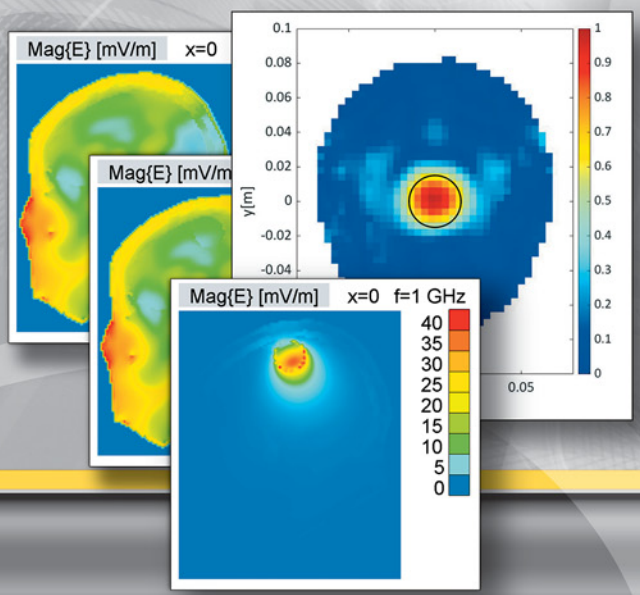
WIPL-D Pro V18

*3D EM simulation environment for Medical Microwave Imaging*

***released!***

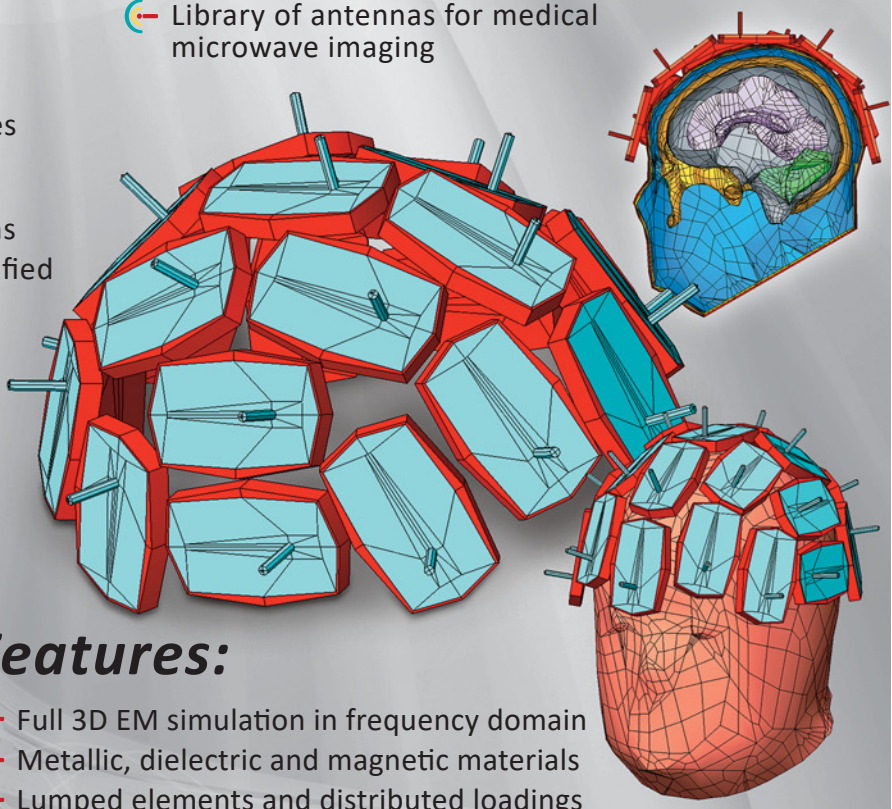


- Material library with over 80 predefined materials
- Frequency dependent material properties using Frequency table, Cole-Cole and Djordjevic-Sarkar approximation
- Near field calculation in selected domains
- Averaging material properties for a specified set of domains
- Accelerated in-core and out-of core GPU inversion for large number of excitations
- Custom defined merge tolerance
- Export and re-use of the inverted matrix
- Automatic repair of a projects on open




## New:

- New options in the STL Editor
  - Automatic Validation and Healing options
  - Fully controlled decimation and quad meshing
  - Export selected model parts
  - Model settings and manipulations now available for the STL models
- NEVA based models of human phantoms
- New module for graphic representation of output results
- Library of antennas for medical microwave imaging



## 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 ...