University of Bedfordshire

CWiND

Propagation Models

- **CWiND Radiowave Tracer Engine**
  - COM Library (DLL)
  - Integrated into CWiND Simulation Platform

- **CWiND Radiowave Propagation Model**
  - Import of Scenarios, Edit Objects, 3D Visualization
  - Import/Edit of Antennas
  - Several Empirical/Semi Empirical Models Implemented
  - IRLA (Intelligent Ray Launching Algorithm) for Outdoor and Indoor
  - Simulation & Measurements Comparison
  - Results Shown in Figures, Multi-Layer Coverage View
  - 2.5D/3D Discretization Engine
- Around 90K L-O-C, written in Object Pascal in conjunction with C++ and WIN32 Assembly