

## TRAINING COURSES

### 1) **OptiSystem Fundamentals and Design Techniques**

OptiSystem Fundamentals and Design Techniques is a two-day course that provides a working introduction to the OptiSystem technical computing environment. This course is intended for beginning and intermediate users, though even experienced users will benefit from seeing OptiSystem used by our professional trainers. No prior knowledge of Optiwave software is required. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. Topics include:

- The OptiSystem user interface
- Working with OptiSystem components
- Design and visualization
- Basic data analysis
- Amplifier Design using OptiSystem
- Data input and output
- Integration with MATLAB

### 2) **OptiFDTD Fundamentals and Design Techniques**

OptiFDTD Fundamentals and Design Techniques is a two-day course that provides a working introduction to the OptiFDTD technical computing environment. This course is intended for beginning and intermediate users, though even experienced users will benefit from seeing OPTISYSTEM used by our professional trainers. No prior knowledge of Optiwave software is required. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. Topics include:

- Overview of the Finite-Difference Time-Domain Method
- The OptiFDTD user interface
- Applications for OptiFDTD simulations
- The important of the mesh size and mesh size refinement
- Design and visualization
- Post-processing data analysis
- Interpreting the data

### 3) **OptiBPM Fundamentals and Design Techniques**

OptiBPM Fundamentals and Design Techniques is a two-day course that provides a working introduction to the OptiBPM technical computing environment. This course is intended for beginning and intermediate users, though even experienced users will benefit from seeing OptiBPM used by our professional trainers. No prior knowledge of Optiwave software is required. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. Topics include:

- The OptiBPM user interface
- Design and visualization
- Analyzing results
- Scripting and Simulation Optimization

### 4) **OptiFiber & OptiGrating Fundamentals and Design Techniques**

OptiFiber & OptiGrating Fundamentals and Design Techniques is a one day course that provides a working introduction to the OptiFiber & OptiGrating technical computing environment. This course is intended for beginning and intermediate users, though even experienced users will benefit from seeing OptiFiber & OptiGrating used by our professional trainers. No prior knowledge of Optiwave software is required. Themes of data analysis, visualization, modeling, and programming are explored throughout the course. Topics include:

- The OptiFiber and OptiGrating user interface
- Overview of the Coupled Mode Theory
- The interface
- Design and visualization
- Analyzing results