

# Phoenix Software and Design Training 2010

Venue – Phoenix Software headquarters in Enschede, The Netherlands

Course Outline:

1<sup>st</sup> day: Mode Field Optimization and Thermo-Electro Optics Design.

2<sup>nd</sup> day: Integrate Mask Design with Simulation in Photonics Modules

3<sup>rd</sup> day: Advanced Object-Oriented Mask Design and Functional Design Rule Checking

4<sup>th</sup> day: Integration of Photonics Modules with Process Flow Modules

The training will be 100% hands-on. Please bring your own computer and mouse.

Details of the programme are given below:

## Programme: 2nd - 5th February 2010

| Time:         | Tuesday   | Wednesday                               | Thursday                             | Friday  |
|---------------|---|---|--------------------------------------|---|
| 09.00 – 12.30 | Modes analysis (TE, TM, Hybrid)                   | 2D and 3D Propagation                   | Omnidirectional connectivity         | FlowDesigner  |
|               |   |   | Advanced object oriented mask design |   |
| 13.00-15.00   | Optical loss in curve waveguide                   | Integrated Design : MMI                 | Mask discretization                  | Microsystem Design Kit (integrate layers, layouts and process flow with the technology files) |
|               | Optical loss to substrate (high refractive index) | Integrated Design : MZI                 | Integration with CleWin              |   |
| 15.00-17.30   | Optical loss to metal (high imaginary index)      | FDTD                                    | Functional design rule checking      | questions and answers.  |
|               | Thermo-Electro Optics                             | Zone (combine BPM and FDTD in one file) |                                      |   |
|               |   | AWG                                     |                                      |   |

## Contact:

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