

# CAPITAL HARNESS XC

## DESCRIPTION

The Capital Harness XC course introduces users to the basic and more complex functionality within the Capital Harness XC product. This tool provides a seamless transition of data from Capital Logic or Capital Integrator into Capital Harness XC and demonstrates how to pull mechanical data from third-party MCAD tools into Capital Harness XC. The course also demonstrates how to create and maintain individual design objects (e.g., wires, multicores, clips, connectors, etc.) within the harness diagrams.

## AGENDA

- ▶ Build harness designs from scratch using Capital Harness XC
- ▶ Import mechanical data & bundle configurations from 3rd-party MCAD tools into Capital Harness XC
- ▶ Synchronize electrical data from Capital Logic and/or bundle layout info from Capital Topology
- ▶ Define graphical representation of harness designs
- ▶ Manipulate bundles by adding arcs and rotating pieces of a harness layout
- ▶ Add component part numbers and learn how to use Cavity Component Management to automatically select parts for seals/plugs/terminals
- ▶ Add insulation (tape, tubes, etc.) to your harness
- ▶ Present a fully-dimensioned harness diagram ready for manufacturing
- ▶ Build a composite harness and automatically generate derivative harnesses from it
- ▶ Run design rule checks (DRCs) against a harness to point out potential problems before being sent to manufacturing
- ▶ Style the design objects on your diagrams using a style set
- ▶ Process designs and run calculations
- ▶ Generate reports
- ▶ Print and archive harness designs
- ▶ Use Capital Insight to gain metrics knowledge about your harness & improve its design

## PREREQUISITES

Familiarity with concepts of harness and cable design.

## DURATION

3 days

## LANGUAGE

English or German

## COSTS

Upon request

[www.trias-mikro.com](http://www.trias-mikro.com)



# CONTACT

## TRAINER

### Alexandru Vlad Velea

has an Electronics, Telecommunications and Information Technology University degree followed by MBA postgraduate degree.

From 2005 on he has been covering mostly the following Siemens products:

- HDL design, simulation and synthesis
- Wiring and harness design

He has a bright knowledge as consultant/ advisor/ technical support/ tools trainer. He is Wiring Harness consultant/ advisor for the Mentor Graphics / Siemens tools since 2011 and Digital IC flow (design/ simulation/ synthesis) consultant/ advisor for the Mentor Graphics/ Siemens tools starting 2005.

TRIAS is an Expert Partner of Siemens Digital Industries Software. Siemens Digital Industries Software awards the status "Expert" to sales partners who have in-depth expert knowledge in a product area or industry and have proven this repeatedly in reference projects.

Alexandru Vlad Velea is certified by Siemens for the products Capital | Capital Essentials (formerly VeSys®) for the automotive and aerospace (Aero) markets and continuously undergoes a mandatory certification program to verify and expand his competencies.

### ADDITIONAL COURSES

- ▶ Capital Logic Aero
- ▶ Capital Logic Designer-Aero
- ▶ Capital Logic Designer-Interactive
- ▶ Capital Logic Designer-Generative

Subject to change



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