

LISA – BASICS [2]	LISA – PROFESSIONAL [3]
Design and evaluation of fixed time controls and coordination with traffic engineering workstation LISA	Design and evaluation of traffic actuated controls and coordination with traffic engineering workstation LISA
<p>Contents:</p> <ul style="list-style-type: none"> ▪ Basic data setup and graphic travel path generation ▪ Intersection geometry, vehicle types and signal groups ▪ Intergreen time calculation ▪ Signalizing concepts and definition of phases ▪ Optimization of phase sequences and transitions ▪ Setup and optimization of fixed time programs (manual/automatic) ▪ Definition of evaluation parameters and evaluation of signal timing plans ▪ Optimization and evaluation of coordination ▪ Creation of switch-on and switch-off programs 	<p>Contents:</p> <ul style="list-style-type: none"> ▪ Design of a traffic-actuated control ▪ Determination of detectors and detector position ▪ Explanation of the OMTC control principle in LISA ▪ Different types of logic and how to use them ▪ The language LISA OML ▪ Creation of the control logic ▪ Compilation and manual test of the control logic ▪ Creation of tests and test patterns, stepwise debugging ▪ Optimization of parameters for different signal programs ▪ Creation of user functions
2 days, 5 hours each plus breaks, online	2 days, 5 hours each plus breaks, online
Prerequisite: Basic knowledge of traffic engineering	Prerequisite: Experience in planning fixed time controls with LISA
Fee: 700 € per Participant 650 € for customers with valid LISA- Software-Service-Agreement	Fee: 950 € per Participant 850 € for customers with valid LISA- Software-Service-Agreement

LISA FOCUS: Coordination	LISA FOCUS: MAP
Introduction to the functionalities of the coordination optimization and evaluation module	Introduction to MAP creation with LISA
<p>Content</p> <ul style="list-style-type: none"> ▪ Creating a coordination in LISA ▪ Classic representation ▪ Green band and public transport trips ▪ Coordination evaluation in LISA ▪ Coordination criterion and stops (HBS), performance index, wait time ▪ Additional configuration for evaluation and platoon display ▪ Turn-in and entry behavior ▪ Coordination volume ▪ “Downhill simplex” algorithm 	<p>Content</p> <ul style="list-style-type: none"> ▪ Guidelines for MAP/C-ITS messages ▪ MAP in the context of C-ITS messages ▪ MAP structure & organization ▪ Special cases and features ▪ Basics of MAP creation in LISA ▪ Demonstration of a MAP creation in LISA
Online (ca. 3h)	Online (ca. 3h)
Prerequisite: Knowledge of traffic engineering, Experience with LISA S	Prerequisite: Knowledge of traffic engineering, Experience with LISA
Fee: 500 € per Participant 250 € for customers with valid LISA- Software-Service-Agreement	Fee: 500 € per Participant 250 € for customers with valid LISA- Software-Service-Agreement