LISA POWERFUL PLANNING SYSTEM

2 days, classroom or online	**2 days, classroom or online**
(A) LISA - BEGINNERS	**(B) LISA - ADVANCED**
Planning of signalized intersections and coordination	**Free phase-oriented controls**
Planning and processing of fixed time controls and coordination with the traffic engineering workstation LISA Prerequisite: Knowledge of basic principles of traffic engineering	Planning and processing of traffic actuated controls and coordination with the traffic engineering workstation LISA Prerequisite: Knowledge in traffic engineering, experiences in LISA (fixed-time controls)
Contents:	**Contents:**
- Basic data setup and graphic travel path generation - Intersection geometry, vehicle types and signal groups - Intergreen time calculation - Signalling 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	- 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