

SIDRA INTERSECTION Introductory Workshop

Katowice, Poland, September 2018

Short Description

SIDRA INTERSECTION Introductory Workshop is offered for people with no knowledge of SIDRA INTERSECTION. This one-day beginner-level workshop will focus on the use of the basic aspects of the SIDRA INTERSECTION software including general aspects of the user interface, input data entry and a reasonable level of output familiarity.

The presenters of this training workshop are developers of the SIDRA INTERSECTION software.

The participants will receive a certificate confirming their participation in the workshop signed by the presenters.

Date & Time

Thursday, 20 September 2018

8:00 am - 5:30 pm

Class starts at 8.00 am sharp. Please arrive at least 15 minutes prior.

Location

Faculty of Transport, Silesian University of Technology,
Kraśińskiego Str. 8, 40-019 Katowice, Poland

Registration

Free of charge on a first come first served basis for participants of the 15th Scientific and Technical Conference "Transport Systems - Theory and Practice" (TSTP2018), Katowice, Poland, 17-19 September 2018.

Workshop Information

This one-day introductory workshop is offered for people with no knowledge of SIDRA INTERSECTION. It is a beginner-level workshop which will focus on the use of the basic aspects of the SIDRA INTERSECTION software including general aspects of the user interface, input data entry and a reasonable level of output familiarity.

The workshop combines hands-on sessions (two people per computer) and instructions to teach participants how to use SIDRA INTERSECTION Version 8.

The workshop is set with examples based on the *SIDRA Standard Right-Hand software setup with metric units*. All workshop material and presentation will be in English.

Other Details

Class size is limited.

Morning tea, lunch and afternoon tea will be provided.

Dress code is casual.

Please Bring With You

Please bring a USB key with you to copy the SIDRA INTERSECTION project files created during the workshop.

Presenters

RAHMI AKÇELİK

Dr Rahmi Akçelik is a leading scientist and software developer with 40 years of practical, research and training experience in the area of road traffic operations, traffic engineering, management and control. He is Director of Akcelik and Associates Pty Ltd (trading as SIDRA SOLUTIONS). He has more than 300 technical publications in his area of expertise. He is the author of the SIDRA INTERSECTION and SIDRA TRIP software packages. Rahmi served as member of various US Transportation Research Board Committees. He has trained several thousand professionals in over 300 workshops, courses and seminars.

Awards received by Rahmi include the *2014 Roads Australia Award for Technical Excellence* in recognition of the exceptional achievement of an individual in a technical or scientific area relevant to transport, the *2008 ITE ANZ Contribution to the Transportation Profession Award*, the *1999 Clunies Ross National Science and Technology Award* for outstanding contribution to the application of science and technology, and the *1986 ITE US Transportation Energy Conservation Award*.

MARK BESLEY

Mark Besley is a scientist and software specialist who has worked in the traffic management area since 1980s. He has been making a significant contribution to the development of the SIDRA INTERSECTION software in collaboration with Dr Rahmi Akçelik during the last 30+ years. He has trained several thousand professionals in over 300 workshops, courses and seminars.

Mark has been involved in many aspects of research on traffic operations including traffic network models, incident detection, fuel consumption estimation, traffic data collection and analysis.

Workshop Objectives

Upon completion of the SIDRA INTERSECTION INTRODUCTORY Workshop, participants will:

- gain a basic knowledge of the latest SIDRA INTERSECTION version;
- be able to prepare and enter the input data required by SIDRA INTERSECTION;
- gain a basic familiarity with SIDRA INTERSECTION output; and
- gain a knowledge of the use of various SIDRA INTERSECTION facilities at a basic level, including movement classes, design life analysis, sensitivity analysis, signal timing analysis and network modelling.

Content

This one-day workshop provides an interactive learning opportunity with hands-on computer experience, working together with instructors through many examples.

The workshop will cover all types of intersections including traffic signals, roundabouts, and sign-controlled (stop and give-way) intersections and an introduction to network analysis using the lane based SIDRA INTERSECTION network model.

The following is a general summary of the content to be taught during this Workshop:

- SIDRA INTERSECTION Introduction
- Example using SIDRA INTERSECTION - Two-Lane Roundabout
- SIDRA INTERSECTION User Interface
- Example using SIDRA INTERSECTION - Signalised Intersection
- Input Parameters
- Example using SIDRA INTERSECTION - Stop-Sign Controlled T- Intersection
- Network Data
- Example using SIDRA INTERSECTION - Two-Site Network (Signals)
- Example using SIDRA INTERSECTION - Three-lane Roundabout Case
- SIDRA INTERSECTION Output Overview

Schedule

8.00 - 10.00 am	Workshop Sessions
10.00 - 10.20 am	Tea Break
10.20 am - 12.00 noon	Workshop Sessions
12.00 - 2.00 pm	Lunch
2.00 - 4.00 pm	Workshop Sessions
4.00 - 4.20 pm	Tea Break
4.20 pm - 5.30 pm	Workshop Sessions

Prerequisites

- Familiarity with traffic engineering methods and terminology, and basic knowledge of intersection and network evaluation concepts.
- Basic skills in MS Windows use.

Target Audience

The target audience for the SIDRA INTERSECTION INTRODUCTORY Workshop includes:

- Traffic Engineers and Planners involved in the analysis of intersections and networks for design, operations, planning and traffic impact assessment purposes.
- Students of traffic and transport engineering and planning.

SIDRA INTERSECTION training workshops provide an excellent opportunity for networking by meeting your colleagues who are working in areas related to your work.
