

Braidwood Associates is pleased to offer an intermediate training course in the application of Quadstone Paramics V5.1 when modelling freeway and urban/freeway microsimulation projects.

About Braidwood Associates

Braidwood Associates Limited was formed by Richard Braidwood a leading expert in microsimulation software who has been involved in the development, support and training of the leading microscopic simulation packages; SIAS and Quadstone Paramics.

With wide ranging industry expertise, dedicated professional resources and proven experience in consulting and traffic model development, Braidwood Associates brings together an excellent team with depth of knowledge in microsimulation products.

One of Braidwood Associates key assets is its global experience in microsimulation traffic models of varying sizes from localized intersection analysis to wide area strategic traffic models in regions including Africa, Australasia, Europe, North America and South America.

Course Overview

The course content will provide an incite into methodologies required in the application of Quadstone Paramics when developing freeway and urban/freeway microsimulation models.

All attendees are required to have their own hardware (laptop) and software (Quadstone Paramics V5.1 software key).

The key Quadstone Paramics modules; Modeller, Processor and Analyser will be covered during the three day course, with a series of practical 'hands on' examples used to assist in developing individuals skill base.

Each day will conclude with a review of tasks covered and an opportunity to discuss individual applications and experiences with the whole class.

Training Course Prerequisites

This course is designed for individuals who have experience in using Paramics V5.1 and have been involved in at least one microsimulation traffic study and therefore have been exposed the basic application of the Quadstone Paramics suite.

Who is the course aimed at?

Traffic Engineers and Traffic Planners interested in learning how to apply Quadstone Paramics microsimulation software when modelling Freeway and Urban/Freeway projects should attend.

Course Outline

The course covers three days, covering model configuration, matrix development, collecting and analyzing statistics and reporting.

Day 1

During the first day attendees will undertake practical examples and discussion relating to the model configuration, network coding and calibration and validation.

Topic 1: Introduction & Software Overview

The first topic will provide an overview to the Quadstone Paramics Suite providing users with an introduction to the project suite which includes; Modeller, Processor and Analyzer.

This topic will provide less experienced users with a background to each tools application area and introduce key functionalities.

Topic 2: Base Model Development

A step by step guide how to develop a Quadstone Paramics base model network will be covered in this part of the course.

Practical examples and discussion will enable attendees identify and understand the most effective way to develop their Paramics networks.

Areas that will be covered include project scoping, modeled time periods, project management and considerations to consider for future year scenario testing.

Topic 3: Base Matrix Development I

Topic 3 will introduce the key functionalities within Paramics Estimator and provide users with an introduction to key considerations when developing a matrix within the Quadstone Paramics suite.

This topic will include discussion and practical examples on areas such as network preparation, pre analysis of input count data and the overall matrix estimation methodology.

Day 2

During the second day attendees will undertake practical examples and discussion continuing the base matrix development methodology and model calibration and validation.

Topic 3: Base Matrix Development I

Continued.

Topic 4: Base Model Calibration and Validation

Calibration and validation of any traffic model is a skill and even more so on congested freeways. This topic aims to provide an introduction to calibration and validation to provide attendees with a firm base of knowledge to assist them develop their skills during projects.

Practical examples relating to the key functions associated with calibration and validation.

Topic 5: Base Reporting

During this topic attendees will learn about the key information that should be included in a base model report. Reporting varies from state to state and from country to country however there are important sections that are present in all.

Attendees will be introduced to the important content that should be included in a final report and how to present them.

Day 3

Topic 6: Design Option Testing

Topic 6 will cover all elements relating to design option testing. This topic will include practical examples of coding different design options, collecting output statistics, comparison with base statistics and report writing.

Topic 7: Plugin Demonstration

This topic will introduce a number of software enhancements developed by Azalient Ltd. Plugins demonstrated will include auditing and calibration and validation tools. In addition to this users will also have the opportunity to see a demonstration of enhancements developed by UCI.

Topic 8: Review

The concluding topic to the course will be a review of all course content.

Attendees will have an opportunity to ask any further questions they have on any of the topics covered during the course.

Course Location and Time

The course will be undertaken in Irvine, California on 25th, 26th and 27th April 2006.

The course will take place between 08:00- 16:30 each day.

Registration

Registration for the course can be undertaken via the following options:

E-Mail

Send all the information required on the registration form to:

info@braidwoodassoc.com

Fax

Fax the completed registration form to 0044 (131) 228-1147.

Address

Braidwood Associates Limited
77 Montgomery Street
Edinburgh
EH7 5HZ

Phone

Call (213) 784 0889. Leave a voicemail with your contact details and your call will be returned.

Methods of Payment

The cost for this course is \$1300 per student. Payment must be in cash or cheque.

Registration Form

Name: _____

Organization: _____

Position: _____

Address: _____

Town/City: _____

State: _____ ZIP/Post Code: _____

Telephone: _____

Mobile: _____

Fax: _____

Email: _____

For conformation please tick

Enrollment Fee: Payment of \$1300 is required 8 working days in advance of the course start date for confirmation of seat reservation.

Cheque enclosed payable to **Braidwood Associates Limited.**
(Note: Attendees details should be written on the back of the cheque)

Cancellation and Refund Policy: In the event of cancellation or rescheduling the class, attendees will be entitled to 100% refund of fee or an application to the rescheduled class.

Attendees who cancel of 10 days prior to the course start date will be entitled to a 50% refund of class fee.

Note: Braidwood Associates will not be responsible for any expenses of attendees non-refundable travel costs regardless of cause, for cancellations, rescheduling, or the attendees withdrawal.

BRAIDWOOD
ASSOCIATES



Intermediate Public Course

April 2006

Irvine, California, US