

Braidwood Associates is pleased to offer an intermediate training course in the application of Quadstone Paramics V5.0 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 V5.0 software key).

The key Quadstone Paramics modules; Modeller, Processor and Analyser will be covered during the two 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 V5.0 and have been involved in at least one microsimulation traffic study and therefore have been exposed the basic application of the software

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 two 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: Model Configuration

The first topic will focus on the methodology of setting up a model based on the available data and the purpose of the study.

The skills attendees will learn during this topic will assist them in making decisions such as the number of time periods required in their model, profile development, consideration of shoulder periods, the number of OD matrices that should be developed and the application of profiles.

Topic 2: Network Coding

The approach to network coding of any traffic model is critical to model quality. This topic will consider the approach to modelling freeways, looking at node positions, signposting and lane choices.

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

Topic 3: 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 such as lane choices, signposting, lane configuration will assist attendees to understand functions and their importance.

Day 2

During the second day attendees will undertake practical examples and discussion relating to using Paramics Processor, Analyser and report writing.

Topic 4: Using Processor

Paramics Processor is a batch simulation tool used for sensitivity and option testing. This topic aims to give users a better understanding of the processor tool and the benefits of utilizing the tool.

Practical examples will provide users with the skills to setup multiple batch runs for extracting statistics but also as a tool to assist them during model calibration and validation.

Topic 5: Using Analyser

Paramics Analyser is a data-analysis tool used for custom analysis and reporting of model statistics. Topic 5 aims to provide attendees with an introduction to the tool and through practical examples provide them the skills to analyse modelled datasets, compare modelled datasets and compare surveyed and modelled datasets,

Topic 6: Report Writing

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.

Course Location and Time

The course will be undertaken in Irvine, California on 8th and 9th of June.

The course will start at 08:00 a.m. and end at 4:30 pm on both days.

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.

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 \$1500 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 \$1500 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.

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ASSOCIATES



Intermediate Public Course

June 2005

Irvine, California, US