

PPEM

This section consists of recorded lectures derived from the FSEG five day short course, Principles and Practice of Evacuation Modelling (PPEM). Material consists of the theory of human behaviour associated with evacuation and the basics of the buildingEXODUS evacuation software.

	Title	Speaker	Duration (hh:mm:ss)
Day 1	Introduction to Fire Safety Engineering - Lecture 1	Prof. Ed Galea	00:47:29
	Factors Influencing Human Behaviour - Lecture 2	Prof. Ed Galea	01:50:57
	Introduction to Human Behaviour-Configuration Factors - Lecture 3a	Prof. Ed Galea	01:29:02
	Introduction to Human Behaviour-Procedural and Environmental Factors - Lecture 3b Part A	Prof. Ed Galea and Mr. Lazaros Filippidis	01:11:54
	Introduction to Human Behaviour-Procedural and Environmental Factors - Lecture 3b Part B		01:26:39
Introduction to Human Behaviour-Procedural and Environmental Factors - Lecture 3b Part C	01:17:57		
Day 2	Evacuation Modelling - Lecture 4	Prof. Ed Galea	01:06:72
	Evacuation Models - Lecture 5	Dr. Steve Gwynne	00:44:83
	Introduction to EXODUS - Lecture 6	Prof. Ed Galea and Mr. Lazaros Filippidis	01:43:94
	Introduction to vrEXODUS - Lecture 7	Mr. David Cooney	00:15:04
Day 3	Defining staircases within buildingEXODUS - Lecture 8	Mr. Lazaros Filippidis	00:28:36
	How to use DXF Files within buildingEXODUS - Lecture 9	Mr. Darren Blackshields	00:21:55
	Configurational Features - Lecture 10	Mr. Darren Blackshields	00:27:27
	EXODUS results and data Manipulation - Lecture 11	Mr. Lazaros Filippidis	00:24:03
Day 4	How to define fire atmospheres within buildingEXODUS - Lecture 12	Mr. Lazaros Filippidis, Mr. Darren Blackshields and Prof. Ed Galea	01:51:27
	Representing circulation behaviour within EXODUS - Lecture 13	Mr. Lazaros Filippidis	00:26:27
	Advanced Features, New Features and Features under development - Lecture 14	Prof. Ed Galea	00:53:36

The recorded tutorials demonstrate how each exercise covered in the live tutorials are intended to be undertaken. Each tutorial takes you through different aspects of the software and different modelling techniques. During the live tutorials, the lecturer will also take the class through a live demonstration of the exercise and then each delegate will work through the tutorial exercise with assistance from the FSEG staff.

Title	Description (inc speaker)	Duration (hh:mm:ss)
Tutorial 01	Simple geometries, population panels, local familiarity and vrEXODUS. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:40:50
Tutorial 02	Stairs and Escalators. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:40:32
Tutorial 03	Defining an enclosure using a DXF file, modifying local behaviour and running the simulations in batch mode. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:17:25
Tutorial 04	EXODUS output data and Manipulation. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:27:03
Tutorial 05	Circulation features within EXODUS. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:27:04
Tutorial 06	Setting Fire Atmospheres. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:30:57
Tutorial 07	Modelling the use of Lifts. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:30:06
Tutorial 08	Signage Interaction: Adaptive redirection to exit congestion, route and exit adoption. Voice over: Lazaros Filippidis Software control: Darren Blackshields	00:13:58