

# 6<sup>TH</sup> UK PTV VISION USER GROUP MEETING

## 2-DAY EVENT on:

VISSIM/VISUM programs for  
Transport Planning and  
Traffic Management

## Venue:

28-29 June 2006

Imperial College of Science,  
Technology and Medicine  
Exhibition Road  
London SW7 2BU (UK)

## Organised by PTV



Dear **Colleague**,

You are welcome to the 6<sup>th</sup> UK **PTV VISION** User Group Meeting, which is being held at the Imperial College – London. June 29<sup>th</sup> will be devoted to presentations from users, covering a wide range of applications, plus a description of the new releases of **VISSIM** and **VISUM**. For **VISSIM 4.20** the new features include:

- Online help, Mr. Sid support, printing;
- Better Graphical User Interface with signal arrows, 3D functions, compass;
- Social Force model for pedestrian simulation (from University of Dresden);
- Fully integrated parallel version;
- Added functionality to COM interface.

For **VISUM 9.5** the new features would be:

- Various new PrT assignment methods (dynamic user equilibrium, static and dynamic, multi-point) and screenlines;
- New volume-delay functions and convergence indicators;

- PuT improvements such as passenger surveys, timetable-based assignment with generalized cost function, statistics;
- SATURN and improved EMME/2 imports;
- Improvements to assessment of results.

There will also be a full-day training run by PTV and Faber Maunsell on June 28<sup>th</sup>, divided into beginners and advanced classes for **VISSIM** and **VISUM**. We look forward to meeting you in London.

Yours sincerely, Sergio Grosso (PTV team)



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## Training (28/6/06)

**VISSIM 'beginners':** Basic network modeling, link-based flows, fixed time signals, public transport, evaluations (delays, queues, etc.).

**VISSIM 'advanced':** vehicle actuated signals (VAP/VISVAP), dynamic assignment, COM interface, V3DM.

**VISUM 'beginners':** Network editing; various assignment methods, post-assignment analysis, basics of demand modeling (4-stage assignment), interface with VISSIM.

**VISUM 'advanced':** Junction modeling with delay calculation using Traffix; link to GIS, interface with VISSIM, demand modelling, updating OD matrices from traffic counts.

## User Group Meeting Programme (29/6/06)

### **8:45-9:15: Registration**

**9:15: Prof. Mike Bell (Imperial College):**

Welcome

**9:25: Prof. Martin Fellendorf (Graz Univ./PTV):**

News of PTV VISION: VISSIM 4.2 and beyond

**9:55: Thomas Friderich (PTV):**

News of PTV VISION: VISUM 9.5

**10:40: Matt Hall (Atkins) and Nick Cottman (Transport for London):**

Integrated Traffic Management - Ramp Metering and Queue Relocation - A Case Study of Appraisal Utilising VISSIM

### **11:05-11:20: Break**

**11:20: Joerg Tonndorf (Project Centre):**

The Exhibition Road Project: From Option Testing to Detailed Design with PTV

**11:45: Mohsin Munshi (Mott MacDonald):**

Microsimulation of Manchester Airport T2 Airside Vehicle Movements

**12:10: Dr. Goktug Tenekeci, Dr. Simon**

**Wainaina, Adil Mohammad, Kelly Chiu (JMP):**

Modelling and Evaluation of MOVA at Motorway Junction M62 J7

**12:35: Sergio Grosso (Univ. Newcastle/PTV), Dr.**

**Anett Ehlert (PTV), Dr. Sheri Markose (Univ. of Essex), Prof. Peter Allen (Cranfield University):**

Probing a Transport Network for Cap and Trade Road User Charging

### **13:00-14:00: Lunch**

**14:00: Nick Cottman and Ioannis Ioannidis (Transport for London), Nick Secker (Atkins):**

Traffic Assignment for Central London: From Planning to Network Management

**14:25: Prof. Martin Fellendorf (Univ. Graz/PTV):**

4-step modelling with VISUM - an example from the USA

**14:50: Karsten McFarland (PTV):**

VISUM and GIS integration: State of the Art

**15:15: All:**

Discussion on future PTV VISION development

### **15:30-15:45: Break**

**15:45: Frank Dreher and Sonal Ahuja (Mott MacDonald):**

Modelling Tram and Terminal Operations using Microsimulation

**16:10: Andrew Sellors (Jacobs Babbie):**

Trench Lock VISSIM Modelling

**16:35: Patrick Dibb (Faber Maunsell):**

VISSIM Interface Panel (VIP)

**17:00-17:10: Sergio Grosso (PTV):** Closure

## Fees and Registration

The participation fee for each of the events is £ 160 (£ 80/100 for students for UGM and training respectively) to include lunch, refreshments and documentation.

## The Chairmen

**Mike Bell** is Professor of Transport Operations at Imperial College, London.

**Andy McGregor** is a Director with FaberMaunsell - Edinburgh office. He has extensive experience with VISSIM and leads the microsimulation modelling work in the company.

## The Presenters from PTV/Faber Maunsell

**Prof. Martin Fellendorf** (Graz Univ. and advisor to PTV): Former Director at PTV.

**Thomas Friderich** (PTV Headquarters - Karlsruhe): Responsible for UK and marketing.

**Karsten McFarland** (PTV Headquarters - Karlsruhe): Director of Traffic Management.

**Sergio Grosso** (PTV - Newcastle): Training, technical support, consultancy.

**Andy McGregor** (Faber Maunsell - Edinburgh): Training, model auditing.

## Social Event

A social event will be held in the evening of June 28<sup>th</sup>. Details of the location are published on the web site.

## Location

Rooms 207/208/609/610 - Skempton Building (Training, 28 June 2006)

Room 342 - Mechanical Engineering (User Group Meeting, 29 June 2006)

Imperial College, Exhibition Road  
London SW7 2BU

## Further information

Map, list of hotels and booking form available on:

<http://www.ptv-newcastle.co.uk/UG6/program.htm>