

S-Paramics



the
microsimulation
system

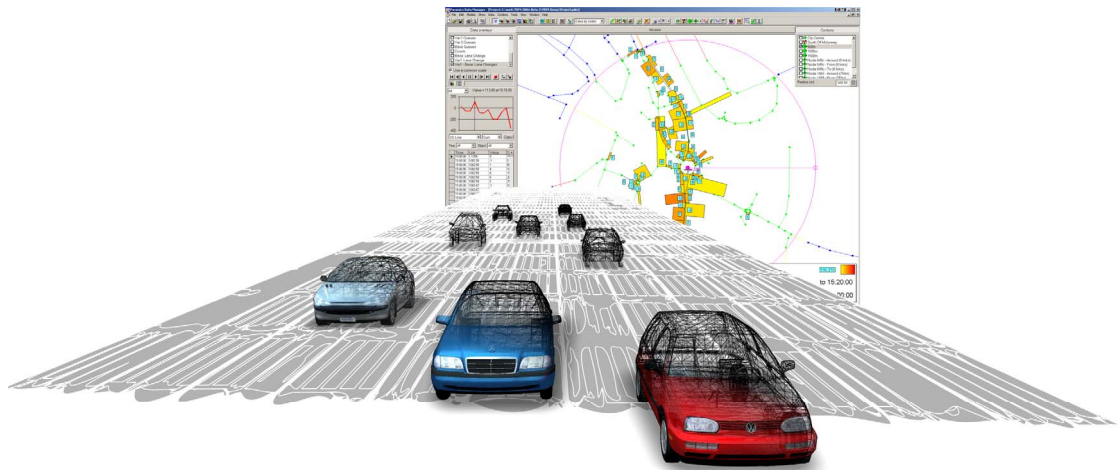
交通
微观仿真
系统

SIAS 公司

SIAS 公司成立于 1974 年，总部位于苏格兰的首府爱丁堡。该公司主要从事交通规划咨询业务，同时也是英国第一家把微观仿真技术应用到实际项目的公司。

SIAS Limited

SIAS was established in Edinburgh in 1974 and its head office is in Edinburgh, the capital of Scotland. Its main task is to undertake transport planning studies and transport assessments. It was the first company in the UK to introduce microsimulation modelling for real projects.



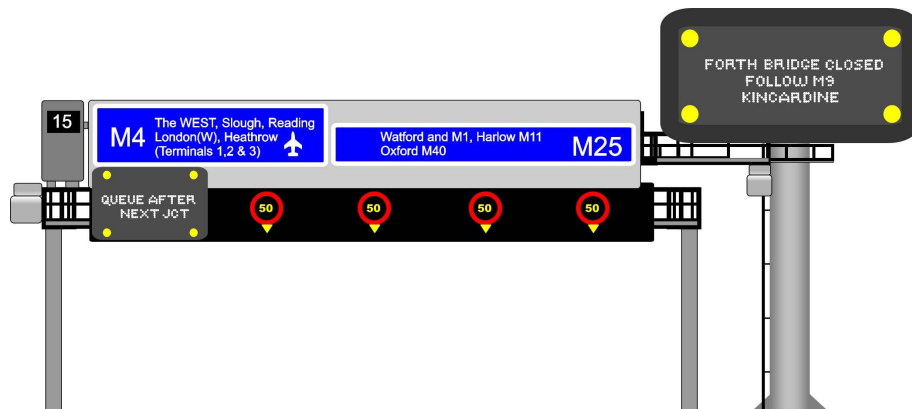
S-Paramics

SIAS 公司的 S-Paramics 软件，是目前英国应用最广泛的微观仿真软件。该软件的开发始于 1986 年，并于 1997 年成功投入商业使用。

软件的用户不仅包括英国的中央及地方政府，私营企业，交通咨询公司和交通院校，还遍及了世界上许多国家和地区。典型应用实例包括爱丁堡，格拉斯哥，阿姆斯特丹，都柏林，以及英国最为繁忙的伦敦 M25 环形高速路等。

S-Paramics, which originates from proof of concept software developed in 1986 and was put into commercial applications in 1997, is currently the most widely used microsimulation system in the UK.

S-Paramics users include UK central and local governments, private developers, transport consultancies, universities, and other customers throughout the world. Typical examples of S-Paramics applications include Edinburgh, Glasgow, Amsterdam, Dublin, and the M25 around London, the busiest motorway in the UK, etc.



S-Paramics

S-Paramics 的应用范围包括城市中心区和各种主次路。其具体应用包括道路环岛和各种交叉口设计，公共汽车优先措施和专用道，高速公路设计，车辆尾气排放控制，收费站点设置，城市交通控制，大区域的交通管理，道路施工管理，停车场的选址和管理，以及事件管理等。

S-Paramics 具有的独特的动态车辆分配功能。并可以与各种标准的 UTC 和 ITS 系统相连，如 SCOOT，SCATS，MOVA，ALINEA，CCOL，MIDAS，ATM 等。

S-Paramics can be used to model urban area, motorways and rural roads; specifically, roundabouts and complex junction designs, bus priority and bus lane measures, highway design, emissions control, toll plaza design, urban traffic control, traffic calming, wide area traffic management, car park location and control, pedestrian and cyclist interaction, road works design, and incident management, etc.

S-Paramics undertakes unique dynamic assignment routing and can be linked to a number of standard UTC and ITS systems such as SCOOT, SCATS, MOVA, ALINEA, CCOL, MIDAS, ATM, etc.





JD 交叉口设计软件

– 售价仅 950 英镑

Junction Designer (JD) 交叉口设计软件拥有 S-Paramics 软件的所有功能，但有道路总长 2.5 公里和同时模拟 250 辆车的限制。该软件可以用于评价各种交叉口和环岛的设计方案。



Junction Designer

– only £950

Junction Designer is a fully functional S-Paramics licence constrained to 250 vehicles simultaneously modelled and 2.5km of road. It is ideal for testing designs of signalised and priority junctions, roundabouts (with and without signals), grade separated junctions, vehicle actuated signal plans, pedestrian interactions, and UTC systems.



主要成就

- 1994 年，苏格兰 IT 技术转化战略奖；
- 1994 年，《新科学家》杂志对 Paramics 做了报道；
- 1995 年和 1996 年两度获得美国计算机世界 Smithsonian IT 奖；
- 1998 年，公司总裁 Stephen Druitt 被英国女皇授予 ‘OBE’ 称号，表彰其在交通模型领域所作出的突出贡献。

Main Achievements

- Winning the Scottish Strategic IT Award for technology transfer, 1994;
- Paramics was reported in *New Scientist* as a traffic control centre simulator, 1994;
- Winning the Computerworld Smithsonian IT Award, 1995 and 1996;
- Stephen Druitt, Managing Director, SIAS Ltd, was awarded an OBE by Her Majesty, the Queen for services to Improving Traffic Modelling, 1998



颁发给爱丁堡大学和 SIAS 公司的计算机世界 Smithsonian IT 奖奖章

The Medal of Computerworld Smithsonian IT, presented to Edinburgh University and SIAS

相关手册

《微观仿真最佳咨询项目指南》

该指南的读者对象为项目经理和建模人员。书中描述了建立微观仿真项目的各个关键步骤的主要特征。

《交通微观仿真分析指南》

这是一本面向职能部门的指南。职能部门委托其他机构建立交通仿真模型，因此有必要对模型可以产生的结果有一定的了解。

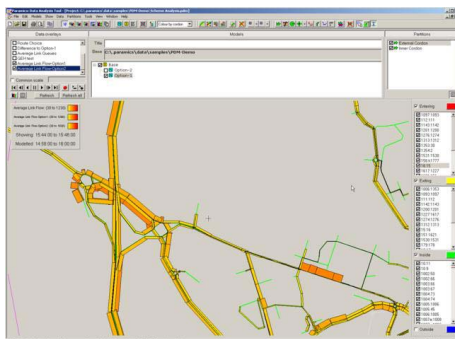
Handbooks

Microsimulation Consultancy Good Practice Guide

This is *the* guide for project managers and microsimulation modellers. It outlines the essential features of the vital stages for building a successful model.

Microsimulation Transport Analysis Guide

This guide is for all those in the business of commissioning transportation models and who require an understanding of what they can reasonably expect to see delivered.





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