

INFORMATION SOCIETY TECHNOLOGIES (IST) PROGRAMME



AIDE IST-1-507674-IP

Final software release and user manual

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1. Software aim and generalities

The simulator SSDRIVE consists of **three key components**:

1. the **editor** of simulation (based on *STAGE*),
2. a **core** simulation
3. a **library** of templates/models.

The tool can be used to run simulations in two main ways:

- **Maintaining** the built-in, or **default**, correlations of driver behaviour and simply reconfiguring the setup associated to the driver parameter EXP, ATT and TD, utilising the frame *Actor Properties*, within the STAGE page for input data definition.
- **Developing ad-hoc models** for specific driver behaviours, making use of the scripts approach and utilising the scripting language *Lua*.

The purpose of the original modelling approach of DVE and, in particular, of the driver model is not to obtain a simulation of the greater possible fidelity, but to provide a flexible and durable instrument that can be easily configured and expanded.