



# The World's Leading Commercial Software for Network Modeling & Simulation

- Full access to model source code
- Most advanced and scalable simulation technologies
- Most comprehensive communications protocol model library
- Most mature model development and analysis environment
- Broadest user community, with thousands of customers from industry and government



## EDUCATOR PROFILE

**Dr. Philippe Martins**  
*Associate Professor*  
*Ecole Nationale Supérieure des*  
*Télécommunications (ENST) - Paris, France*



*A leading educator of hundreds of students  
at the graduate and PhD levels.*

### Research focus areas include:

- Signaling in UMTS access networks.
- IP Signaling (SIP) over air interfaces such as EGPRS and UMTS.
- Performance of MAC layers and scheduling in mobile networks, including hand-over data policies for EGPRS, UMTS and hybrid systems.
- Three slot allocation mode studies in HSDPA for UMTS.

"We introduced OPNET software into the classroom in 2002. It is currently being used by graduate students for cellular mobile communications courses and projects. It is also being used throughout ENST by PhD students for ad hoc networking research. OPNET's graphical simulation environment simplifies the modeling process and is particularly useful for mobility visualization which plays a key role in our mobile communications teaching and research. To compete in today's dynamic workforce, modeling has become a required skill. OPNET sets the standard."

For more information, please contact OPNET: [info@opnet.com](mailto:info@opnet.com)

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