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## Carleton Prof Wins Professional Award

By [Kenneth Gray](#) Sat, Apr 16 2011 [The Bulldog](#)

This is a release from Carleton University:

Gabriel Wainer, an associate professor in the Department of Systems and Computer Engineering at Carleton University, has won the Outstanding Professional Contribution Award given by the Society for Modeling and Simulation International (SCS). The award was presented at the Spring Simulation Multi-Conference organized by SCS, held last week in Boston.

The award recognizes a single outstanding personal achievement that makes its mark on the model and simulation discipline.

Wainer has had over 240 papers published and four books, two of which are in Spanish.

"The whole idea of modelling and simulation is that you try to use a computer to mimic the real world," said Wainer. "You want to know more about the specifics of a system or you want to build something new that doesn't exist. You try to reproduce that behavior in something that's called a model, and then you use that model to build a computer program called a simulation."

His current work focuses on methodologies and techniques for improving models and simulations by making them faster, easier to use and more useful.

Wainer's current PhD student, Mohammad Moallemi, won the Best Paper Award at the same conference. Moallemi won for his theoretical paper describing a model using very advanced mathematical equations to guarantee that model will run even under immense stress.

Established in 1952, the SCS works to advance the use of modelling and simulation to solve real-world problems and facilitate communication among industry professionals.

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