

# International Workshop on Computational Electronics

May 25–27, 2006 • TU Vienna, Austria

## First Call for Papers

The workshop covers all aspects of advanced simulation of electronic transport and optoelectronic processes in semiconductors and semiconductor devices based on both inorganic and organic materials. The scientific program consists of invited lectures, contributed talks, and poster presentations. The workshop is intended to be an international forum for discussions on the current trends and future directions of computational electronics. The emphasis of the contributions is on interdisciplinary aspects of computational electronics, touching physics, engineering, applied mathematics, as well as chemistry and biology. Active participation of graduate students, including student presentations, is strongly encouraged.



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### General Topic Areas

Advancements of TCAD  
Monte Carlo and molecular dynamics methods  
Simulation of optical processes and optoelectronic devices  
Quantum transport and dynamics of nanostructures  
Molecular and organic electronics  
Nano-bio electronics  
Alternative computing architectures

### Abstracts and Proceedings

An abstract consisting of one page text and one page figures should be uploaded on the conference homepage. Accepted abstracts will be published in a Book of Abstracts, and the authors will be requested to submit an extended abstract. The conference proceedings will be published in the Journal of Computational Electronics. Both the abstract and the extended abstract will be peer reviewed.

### Important Dates

Abstract submission	15 Jan 2006
Notification of acceptance	28 Feb 2006
Early registration	15 Apr 2006
Extended abstract due	25 May 2006
Conference	25-27 May 2006

### Venue

The conference will be held in the Electrical Engineering building of the TU Vienna: Gußhausstraße 27-29, A-1040 Vienna, Austria

<http://www.iwce.org>

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