



# 11<sup>th</sup> International Workshop on Finite Elements for Microwave Engineering – FEM2012

June 4-6, 2012, Estes Park, Colorado, USA

<http://www.engr.colostate.edu/FEM2012>

## CALL FOR PAPERS

**Abstract Submission Deadline: Friday, December 16, 2011**

**General:** The International Workshop on Finite Elements for Microwave Engineering is a highly-focused biannual event. It provides an ideal meeting place for researchers who are active in either the theoretical development of finite element methods or their application to radio frequency and microwave engineering problems.

**Venue:** The workshop will be held in The Historic Stanley Hotel, in Estes Park, Colorado – for **information about the venue and social program**, go to <http://www.engr.colostate.edu/FEM2012>.

**Scope:** Technical areas covered by the workshop include, but are not limited to:

- **Adaptive Methods**
- **Advanced FEM Techniques** Formulations, Solvers, Discrete Representations
- **Optimization Techniques, Parameter Space Sweep**
- **Time Domain FEM** Theory and Applications
- **Mathematical Aspects of FEM**
- **FEM Applications:** Antennas, Materials and Meta-materials, Bio-Electromagnetics, Electromagnetic Compatibility, Circuits and Circuit Boards
- **Hybrid Methods – Theory and Applications:** FE-BI/FDTD, FE-FV/Circuit Simulators/High-Frequency Techniques, Coupled Physics FEM for RF-MEMS
- **FEM Modeling:** Waveguides, Components, Active Devices, Lumped Elements
- **Multigrid and Domain Decomposition Methods**
- **CAD / Meshing Advances and Tools**
- **Design Using FEM and Hybrid Techniques**
- **FEM Applications in Other Disciplines**

**Abstracts:** One-page abstracts are due by Friday, December 16, 2011.

**Publication:** Selected workshop contributions will be published in a special issue of journal *Electromagnetics*.

**General Chairs:**

Branislav M. Notaros, Colorado State University  
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Jian-Ming Jin, University of Illinois  
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The Stanley Hotel, <http://www.stanleyhotel.com>, is a historic landmark hotel in a spectacular mountain-view location, located at an elevation of 7,500 feet (2,286 meters) and within sight of the Rocky Mountain National Park, <http://www.nps.gov/romo>, <http://www.rmnp.com> (bus tour included in the workshop package). It inspired Stephen King to write *The Shining*, and served as a location site for several movies (Stanley Hotel Ghost & History Tour included). Estes Park, <http://www.estesparkcvb.com>, an hour from Fort Collins or Boulder, and hour and a half from Denver International Airport (shuttle included), is one of the most beautiful resort towns in the US, with numerous galleries, shops, and restaurants, along with majestic nature and abundant wildlife.

