

# 14th International Meshing Roundtable 2005 Announcement and Call for Papers

Join us for the 14th International Meshing Roundtable to be held in San Diego, California, September 11-14, 2005.

In 1992, Sandia National Laboratories started the Meshing Roundtable as a small meeting of like-minded companies and organizations striving to establish a common focus for research and development in the field of mesh and grid generation. Sandia National Laboratories continues to organize the International Meshing Roundtable, which has become recognized as an international focal point annually attended by researchers and developers from dozens of countries around the world.

The International Meshing Roundtable continues to focus on bringing together researchers and developers from academia, national labs and industry in a stimulating, open environment to share technical information related to mesh generation and general pre-processing techniques. This year's Roundtable will be held in San Diego, California, USA. San Diego is California's second largest city and the United States' seventh largest city. San Diego County encompasses 18 incorporated cities and numerous other charming neighborhoods and communities. It now is home to more than 2.7 million people and has become a rich, vibrant, cultural center. It is known for its near-idyllic climate, 70 miles of pristine beaches and dazzling array of world-class family attractions. Some of these attractions include the world-famous San Diego Zoo and Wild Animal Park, SeaWorld San Diego and LEGOLAND California. San Diego offers a wide variety of things to see and do.

## EVENTS AT ROUNDTABLE INCLUDE:

- Pre-conference short course on Sunday, September 11, 2005
- Technical presentations of contributed papers
- Keynote and invited speakers
- Poster session with Best Technical Poster, Best Student Poster and Meshing Maestro awards. We encourage submission of posters presenting novel research results as well as posters showcasing state-of-the-art technology by industry developers and meshing software vendors
- Panel discussion
- Dinner banquet

More information on the Roundtable, as it becomes available, will be published at the International Meshing Roundtable website: <http://www.imr.sandia.gov>

## IMPORTANT DATES

<b>April 4, 2005</b>	Full paper due
<b>May 6, 2005</b>	Acceptance/Rejection notices sent to authors
<b>June 1, 2005</b>	Final camera-ready papers due
<b>Aug. 12, 2005</b>	Early conference registration due
<b>Aug. 12, 2005</b>	Hotel reservation due for special discount rates
<b>Sept. 11, 2005</b>	Short Courses, Bahia Resort Hotel
<b>Sept. 11-14, 2005</b>	14th International Meshing Roundtable, Bahia Resort Hotel

## CONFERENCE REGISTRATION

A detailed registration form will be made available on the International Meshing Roundtable website at: <http://www.imr.sandia.gov>

## CALL FOR PAPERS

Papers are being sought that present original results on meshing and related topics. We encourage theoretical and novel ideas with practical potential as well as technical applications from industrial researchers. In addition to our core topics in meshing related algorithms, we are also interested in obtaining technical papers that relate analysis and application solutions to the mesh generation process. Potential topics include but are not limited to:

- Adaptive meshing
- Anisotropic mesh generation
- CAD interface for meshing
- Geometry simplification, decomposition, & cleanup
- Tetrahedral/Hexahedral Hybrid meshing
- Industrial applications for complex geometries
- Mesh data formats and databases
- Mesh quality, smoothing, and optimization
- Mesh simplification and compression
- Meshing of parametric models
- Parallel meshing algorithms and software
- Scientific visualization
- Structured and unstructured grid generation
- Surface reconstruction
- Theoretical basis of mesh generation
- Volume and surface mesh generation

## PROCEEDINGS AND JOURNAL SPECIAL ISSUE

It is expected that the conference proceedings will be published by Springer Publishing Group, and distributed at the Roundtable. You will notice that our paper deadlines are earlier this year than in past years in order to meet publishing deadlines. Selected high-

quality papers from this year's roundtable will again be invited to appear in a special issue of *Engineering with Computers*.

## PAPER SUBMISSIONS

All papers must be submitted electronically, in PDF format only, using the Paper Submission Form that will be available on the IMR website. For further information regarding paper submission and paper formats please visit: <http://www.imr.sandia.gov/14imr/main.html>

Papers should have original and significant contribution in order to be accepted. Each accepted paper will be given a 25 minute presentation slot at the meeting. Accepted papers by authors who register to attend the conference will be published in the proceedings and will also be available on CD and on the IMR website. The proceedings are printed in black and white.

Papers should be 8-12 pages in length (9 point, two columns) and received by April 4, 2005. Formatting details including templates for Word and LaTeX will be available on the conference web site. Final camera-ready papers not meeting formatting guidelines will not be accepted for publication in the proceedings.

Acceptance/rejection notices will be sent out no later than May 6, 2005. Camera-ready papers must be received by June 1, 2005 or they will not be printed in the proceedings.

Questions regarding paper submission can be directed to any committee member.

## CONFERENCE LOCATION AND HOTEL RESERVATIONS

This year's Roundtable will be held at the Bahia Resort Hotel in San Diego, California, USA.

### The Bahia Resort Hotel

998 West Mission Bay Drive, San Diego, CA 92109  
1-800-576-4229 (Reservations Desk)  
<http://www.bahiahotel.com>

Secluded on its own private peninsula in San Diego's world-famous Mission Bay Park, the Bahia Resort Hotel surrounds you with sun-drenched sandy beaches, tropical gardens, and delightful hidden waterways. The Bahia Resort Hotel is less than 15 minutes from the San Diego International Airport, Sea World, the world famous San Diego Zoo and is walking distance to the Pacific Ocean. Hotel parking is free for guests. Airport transportation is available through Cloud 9 Shuttle at a special rate, currently \$8.50 per person each way.

A block of rooms has been reserved at the Bahia Resort Hotel at a special conference/government rate of \$129.00 plus state and local taxes. Reservations must be made directly with the Bahia Resort Hotel on an individual basis. **In order to facilitate reservations, attendees must dial the Reservations Desk (1-800-576-4229) and indicate their group affiliation (14th International Meshing Roundtable) when making reservations. To ensure obtaining this rate, participants must make their own reservations before August 12, 2005.**

## COMMITTEE MEMBERS

The International Meshing Roundtable Committee consists of representatives from national research labs, academia, and industry who serve on a rotating basis. This year's committee members are:

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