

## Guest editorial: 17th International Meshing Roundtable Special Issue

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The committee of the 17th International Meshing Roundtable is pleased to publish this special edition of Engineering with Computers based on papers presented at the conference in October, 2008. The conference was one of the best attended with over 50 papers submitted and 36 papers accepted. In addition, the conference attracted 12 research notes. Of the 36 papers, the committee invited 10 authors with the best reviews to submit their work for this special issue.

Mesh generation as field has matured considerably over the last decade or two and researchers are beginning to address the more challenging problems that remain in mesh generation. This was reflected amply in the conference which had cutting edge topics such as real-time tessellation

of NURBS surfaces, GPU assisted surface reconstruction and meshing for biological models and granular processes. At the same time, the papers reflected the continuing interest in and challenge of automatically generating hexahedral meshes. Finally, the conference saw evidence of ample research continuing into mesh optimization often based on solution metrics.

The papers in this issue reflect the complexity and diversity of mesh generation and we hope they will educate and inform the reader about the latest advances in this field.

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