

## **NSF/DARPA CARGO Review Meeting**

**Monday, May 12, 2003**

### **Day 1**

### **2002 CARGO Awards –Oral Presentations**

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| 8:00am-8:45am    | <i>Registration/Continental Breakfast</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8:45am-9:00am    | <b>1. GOVERNMENT INTRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 9:00am -9:40am   | <b>2. Geometry Compression</b><br><b>Schröder, Peter, The California Institute of Technology</b><br><b>Desbrun, Mathieu, The University of Southern California</b><br><b>DeVore, Ron , The University of South Carolina</b>                                                                                                                                                                                                                                                                       |
| 9:40am -10:20am  | <b>3. Modeling and Processing of Topologically Complex 3D Shapes</b><br><b>Zorin, Denis, The Courant Institute</b>                                                                                                                                                                                                                                                                                                                                                                                |
| 10:20am -10:50am | <i>Break</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 10:50am -11:10am | <b>4. When and Where to Look in Time-Varying Volume Visualization</b><br><b>*Snoeyink, Jack, The University of North Carolina, Chapel Hill</b><br><b>Rossignac, Jarek, Georgia Institute of Technology</b><br><b>Mascarenhas, Ajith, The University of North Carolina, Chapel Hill</b>                                                                                                                                                                                                            |
| 11:10am -11:30am | <b>5. Approximating 3D Points with Cylindrical Segments</b><br><b>Zhu, Binhai, The Montana State University</b>                                                                                                                                                                                                                                                                                                                                                                                   |
| 11:30am-11:50am  | <b>6. Folding and Unfolding of Polygonal Linkages</b><br><b>Streinu, Ileana, Smith College</b>                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11:50am-12:30pm  | <b>7. The Geometry and Topology of Point-Cloud Data</b><br><b>*Guibas, Leonidas, Stanford University</b><br><b>Carlsson, Gunnar, Stanford University</b><br><b>Dey, Tamal, The Ohio State University</b>                                                                                                                                                                                                                                                                                          |
| 12:30pm -2:00pm  | <i>Lunch</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2:00pm - 2:20pm  | <b>8. Algebraic Algorithms for Cell Complexes</b><br><b>Laubenbacher, Reinhard, Virginia Bioinformatics Institute, Virginia Tech</b>                                                                                                                                                                                                                                                                                                                                                              |
| 2:20pm - 2:40pm  | <b>9. The Geometry of Optical Paths</b><br><b>Arvo, James, The California Institute of Technology</b>                                                                                                                                                                                                                                                                                                                                                                                             |
| 2:40pm - 3:20pm  | <b>10. I-TANGO for CAGD (Intersections--Topology Accuracy and Numerics for Geometric Objects)</b><br><b>*Peters, Thomas, The University of Connecticut</b><br><b>Stewart, N. F., The University of Connecticut</b><br><b>Hoffmann, C. M., Purdue University</b><br><b>Patrikalakis, N. M., Massachusetts Institute of Technology</b><br><b>Maekawa, T., Massachusetts Institute of Technology</b><br><b>Sakkalis, T., Massachusetts Institute of Technology</b><br><b>Ferguson, D. R., Boeing</b> |

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| 3:20pm - 3:50pm | <i>Break</i>                                                                                                                                                                                                                                                                                                                                                                                    |
| 3:50pm - 4:30pm | <b>11. Creation and Analysis of Multi-Resolution Animation</b><br><b>*Rossignac, Jarek, Georgia Institute of Technology</b><br><b>*Turk, Greg, Georgia Institute of Technology</b><br><b>*Szymczak, Andrzej, Georgia Institute of Technology</b><br><b>*Ghrist, Rob, University of Illinois at Urbana Champaign</b>                                                                             |
| 4:30pm - 4:50pm | <b>12. Robust and Efficient Degeneracy Detection for Curved Solids (1)</b><br><b>Robust and Efficient Degeneracy Detection for Curved Solids (2)</b><br><b>*Keyser, John and *Rojas, J. Maurice, Texas A&amp;M University</b>                                                                                                                                                                   |
| 4:50pm - 5:30pm | <b>13. Linear Perturbation Methods for Topologically Consistent Representation of Surface Intersections</b><br><b>*Farouki, Rida, The University of California, Davis</b><br><b>*Haas, Joel, The University of California, Davis</b><br><b>*Sederberg, Tom, The Brigham Young University</b><br><b>Song, X., The Brigham Young University</b><br><b>Zheng, J., The Brigham Young University</b> |
| 5:30pm          | <i>Adjourn</i>                                                                                                                                                                                                                                                                                                                                                                                  |

**Tuesday, May 13, 2003**

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| <b><u>Day 2</u></b> | <b><u>2002 CARGO Awards-Poster Presentations</u></b> |
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| 8:00am-9:00am     | <i>Registration/Continental Breakfast</i>              |
| 9:00am -10:00am   | <b>5-minute Overview presentations</b>                 |
| 10:00am -12:30pm  | <b>Poster Session I (10:30am snacks and beverages)</b> |
| 12:30pm –1:00pm   | <i>Lunch and Poster Removal/Set-up</i>                 |
| 1:00 pm - 2:00 pm | <b>5-minute Overview presentations</b>                 |
| 2:00pm -4:30pm    | <b>Poster Session II (2:30pm snacks and beverages)</b> |
| 4:30pm            | <i>Adjourn</i>                                         |

## **NSF/DARPA CARGO Review Meeting**

**Wednesday, May 14 , 2003**

| <b><u>Day 3</u></b> | <b><u>2003 CARGO Awards –Oral Presentations</u></b> |
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| 8:00am - 8:30am   | <i>Registration/Continental Breakfast</i> |
| 8:30am - 9:10am   | <b>2003 Full Award</b>                    |
| 9:10am - 9:30am   | <b>2003 Incubator Award</b>               |
| 9:30am - 9:50am   | <b>2003 Incubator Award</b>               |
| 9:50am – 10:30am  | <b>2003 Full Award</b>                    |
| 10:30am -11:00am  | <i>Break</i>                              |
| 11:00am -11:20am  | <b>2003 Incubator Award</b>               |
| 11:20am - 12:00pm | <b>2003 Full Award</b>                    |
| 12:00pm - 12:20pm | <b>2003 Incubator Award</b>               |
| 12:20pm -1:30pm   | <i>Lunch</i>                              |
| 1:30 pm - 2:10 pm | <b>2003 Full Award</b>                    |
| 2:10 pm - 2:30pm  | <b>2003 Full Award</b>                    |
| 2:30pm – 3:10pm   | <b>2003 Full Award</b>                    |
| 3:10pm            | <i>Adjourn</i>                            |
| 3:30pm -4:00pm    | <b>Government Management Team Meeting</b> |