

Sunday, May 4, 2008

- 09:00 *S. Dubuc*, Subdivision Schemes and Seminormed Spaces
- 10:00 *K. Hormann*, Polynomial Reproduction by Symmetric Subdivision Schemes
- 11:00 *Coffee Break*
- 11:30 *L. Romani*, A General Approach towards the Construction of Tension-controlled 2I-point Interpolatory Schemes with Salient Curves Reproduction Capabilities
- 12:00 *B. Mößner*, C^1 - Continuity of the Generalized Four-Point Scheme
- 12:30 *Closing*
- 13:00 *Lunch*

Scientific Committee

Costanza Conti, University of Firenze (Italy)
Nira Dyn, University of Tel Aviv (Israel)
Laura Gori, University of Roma "La Sapienza" (Italy)

Organizing Committee

C. Conti, University of Firenze (Italy)
P. Costantini, University of Siena (Italy)
C. Manni, University of Roma "Tor Vergata" (Italy)
R. Morandi, University of Firenze (Italy)
F. Pitolli, University of Roma "La Sapienza" (Italy)
E. Santi, University of L'Aquila (Italy)

SUBDIVISION and REFINABILITY workshop

PROGRAM



G.N.C.S.

Gruppo Nazionale per il Calcolo Scientifico

Pontignano (SI) - Italy
May 1-4, 2008

Thursday, May 1, 2008

- 08:45 *Opening*
- 09:00 *T. Goodman, Refinable Splines and Frames on Hybrid Meshes*
- 10:00 *A. Ron, Subdivision, Cascade and Refinable Functions: from Box Splines to L-CAMP*
- 11:00 *Coffee Break*
- 11:30 *M. Unser, Ten Good Reasons for Using Splines for Signal/Image Processing*
- 13:00 *Lunch*
- 15:30 *M. Sabin, The Analysis of Artifacts in Subdivision Curves and Surfaces*
- 16:30 *T. Cashman, Towards NURBS-Compatible Subdivision*
- 17:00 *Coffee Break*
- 17:30 *J.L. Merrien, Hermite Subdivision: Convergence and Shape Preservation*
- 18:30 *F. Pitolli, Bivariate Nonstationary Subdivision Schemes with Bell-shaped Limit Functions*
- 20:00 *Dinner*

Friday, May 2, 2008

- 09:00 *C. K. Chui, An MRA Approach to Surface Completion and Image inpainting*
- 10:00 *Z. Shen, A Tight Frame Approach for Missing Data Recovery in Images*
- 11:00 *Coffee Break*
- 11:30 *T. Sauer, Shearlets and Subdivision – a Discrete Approach*
- 13:00 *Lunch*
- 15:30 *J. Wallner, New Results in Nonlinear Subdivision*
- 16:30 *P. Grohs, Interpolatory Wavelet Transforms in Manifolds*
- 17:00 *Coffee Break*
- 17:30 *T. Yu, Smooth and Accurate Approximation of Manifold-Valued Data*
- 19:00 *Dinner*
- 20:30 *Trip to Siena*

Saturday, May 3, 2008

- 09:00 *D. Levin, Modified Subdivision Surfaces with Continuous Curvature*
- 10:00 *G. Umlauf, Symmetry of Shape Charts with Applications to Energy-optimizing Subdivision Algorithms*
- 11:00 *Coffee Break*
- 11:30 *K. Jetter, Affine Combinations of Subdivision Schemes*
- 13:00 *Lunch*
- 15:30 *B. Han, Symmetric Orthonormal Complex Wavelets and L_p Solutions of General Vector Refinement Equations*
- 16:30 *M. Charina, Geometry Processing of Subdivision Surfaces*
- 17:00 *Coffee Break*
- 17:30 *M. Cotronei, Full Rank Subdivision Schemes and Multichannel Wavelets*
- 18:30 *G. Zimmermann, Polynomial Reproduction in Vector Subdivision: New Results on the Unstable Case*
- 19:30 *Conference dinner*