

**CENTER FOR APPROXIMATION THEORY ANNUAL SYMPOSIUM**

**Department of Mathematics  
Texas A&M University  
Friday, April 26th and Saturday, April 27th, 2002**

**Programme**

**Friday, April 26th**

SESSION I (**627 Blocker**) – Chair: Tamás Erdélyi

- 1:15 p.m: E. Weber, Texas A&M University  
*The geometry of affine frames*
- 2:00 p.m: D. Benko, Texas A&M University  
*Markov inequality for polynomials with  $m$  distinct zeroes*
- Break*
- 3:00 p.m: S. Lowitzsch, Texas A&M University  
*Approximation and interpolation employing divergence-free radial basis functions*

**Saturday, April 27th**

- 8:15 a.m: *Refreshments (627 Blocker)*
- SESSION II (**120 Blocker**) – Chair: Joseph Ward
- 8:45 a.m: R. Lorentz, Texas A&M University  
*Discretization of the transport equation by collocation with radial basis functions*
- 9:30 a.m: B. Popov, Texas A&M University  
*Entropic schemes for scalar conservation laws*
- Break*
- 10:30 a.m: A. Izzo, Texas A&M University  
*Some approximation theorems in complex analysis*
- 11:15 a.m: P. Simeonov, University of Houston - Downtown  
*Difference equations for orthogonal polynomials*

**Lunch Break**

SESSION III (**120 Blocker**) – Chair: Francis Narcowich

- 2:00 p.m: R. Goldman, Rice University  
*S-patches*
- 2:45 p.m: E. Akleman, Texas A&M University  
*Handle reconstruction with a new corner-cutting subdivision scheme with tension*
- 3:30 p.m: S. Schaefer, Rice University  
*Interpolatory subdivision for surfaces of revolution*