

CENTER FOR APPROXIMATION THEORY ANNUAL SYMPOSIUM

Department of Mathematics

Texas A&M University

Friday, 20 April and Saturday, 21 April, 2001

Programme

Friday, 20 April

SESSION I (**627 Blocker**) – Chair: Francis Narcowich

1:30 p.m: S. Lowitzsch, Texas A&M University
*Numerical solution of a Navier-Stokes equation by
divergence-free radial-basis functions*

2:15 p.m: T. Le, Texas A&M University
A method for solving parabolic PDEs on spheres

Break

3:15 p.m: D. Rhea, Texas A&M University
Wavelet sets and number theory

4:00 p.m: X. Zhang, Texas A&M University
Wavelet sets and frame sets

Saturday, 21 April

8:30 a.m: *Refreshments (627 Blocker)*

SESSION II (**156 Blocker**) – Chair: Itshak Borosh

9:00 a.m: G. Battle, Texas A&M University
Osiris wavelets

9:45 a.m: J. Wang, Sam Houston State University
The redundancies among a generator of an FSI space

Break

10:45 a.m: D. Larson, Texas A&M University
Wavelets, frames, and multipliers

11:30 a.m: E. Weber, Texas A&M University
Non-orthogonal wavelets and generalized multiresolution analysis

Lunch Break

SESSION III (**156 Blocker**) – Chair: Joseph Ward

- 2:15 p.m: E. Akleman, Texas A&M University
Interactive and robust modeling of orientable 2-manifold meshes
- 3:00 p.m: P. Simeonov, University of Houston - Downtown
Weighted rational approximation with varying weights
- 3:45 p.m: I. Ivanov, Texas A&M University
Recovery of functions in H^∞