APPROXIMATION AND LEARNING IN HIGH DIMENSIONS WORKSHOP

Texas A&M University, College Station, Texas, October 19–21, 2007

ORGANIZING COMMITTEE

Ron DeVore (University of South Carolina) Vladimir Koltchinskii (Georgia Institute of Technology) Francis Narcowich (Texas A&M University) Guergana Petrova (Texas A&M University) Bojan Popov (Texas A&M University) Steve Smale (UC Berkeley & TTIC) Joe Ward (Texas A&M University) Joel Zinn (Texas A&M University)

CONFIRMED PARTICIPANTS

1. Yuliya Babenko (Sam Houston State University); Research interests: Numerical Analysis, Computer Aided Design, Approximation Theory, Spline Theory, Discrete Geometry.

2. Mohamed-Ali Belabbas (Harvard University); Research interests: Control theory, Statistical Signal Processing, Machine Learning.

3. Peter Binev (University of South Carolina); Research interests: approximation theory, learning theory.

4. Sergiy Borodachov (Georgia Institute of Technology); Research interests: Approximation theory, minimal energy problems, quantization problems.

5. Stephane Boucheron (Universite Denis Diderot, Paris); Research interests: statistics, concentration inequalities.

6. Gilles Blanchard (Fraunhofer FIRST); Research interests: machine learning, learning theory, statistics.

7. Albert Cohen (Universite Pierre et Marie Curie, Paris); Research interests: approximation theory, wavelets, signal processing, computational harmonic analysis.

8. Ingrid Daubechies (Princeton University); Research interests: time-frequency analysis (in particular, wavelets) and applications, learning theory.

9. Ron DeVore (University of South Carolina); Research interests: approximation theory, wavelets, signal processing.

10. Nira Dyn (Tel-Aviv University); Research interests: approximation theory, geometric

modeling.

11. Yalchin Efendiev (Texas A&M University); Research interests: multiscale simulations, statistical estimation, numerical analysis.

12. Ed Fuselier (ARMY); Research interests: approximation theory, radial basis functions and their applications, divergence-free and curl-free positive definite functions.

13. Yehoram Gordon (Texas A&M University); Research interests: functional analysis, approximation probability.

14. Maya Gupta (University of Washington); Research interests: theory and application of statistical estimation and classification, image processing, information theory, and color vision.

15. Thomas Hangelbroek (Texas A&M University); Research interests: approximation theory, learning theory, scattered data approximation, splines.

16. Mark Iwen (University of Michigan) Research interests: Fast Approximation Algorithms, Numerical Methods for Differential Equations, Spectral Methods, Bioinformatics, AI Planning, Medical Imaging.

17. Lee Jones (University of Massachusetts Lowell); Research interests: probability, mathematical statistics, neural networks and pattern recognition.

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20. Sergei Konyagin (Moscow State University); Research interests: analysis, approximation theory, learning theory.

21. Peter Kuchment (Texas A&M University); Research interests: partial differential equations and mathematical physics, computerized tomography and non-destructive testing, geometric analysis.

22. Jian-ao Lian (Prairie View A&M University); Research interests: wavelets, signal processing, computer-aided geometric design.

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25. Francis Narcowich (Texas A&M University); Research interests: approximation theory, radial and related basis functions, wavelets.

26. Dmitry Panchenko (Texas A&M University); Research interests: probability theory,

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32. Amos Ron (University of Madison); Research interests: approximation theory, wavelets, Gabor systems, splines, polynomial interpolation, data representation, frames, scientific data, applications.

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40. Joe Ward (Texas A&M University); Research interests: approximation theory, radial and related basis functions, wavelets.

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46. Joel Zinn (Texas A&M University); Research interests: probability, empirical processes, limit theorems, probability inequalities.