# Doctoral Degrees Conferred 2000–2001

## *Supplementary List*

The following list supplements the list of thesis titles published in the February 2002 *Notices*, pages 241–58.

## CALIFORNIA

### University of California, Berkeley (8)

STATISTICS

*Benjamin*, *Morris*, Random walks in convex sets.

*Cawley*, *Simon*, Statistical models for DNA sequencing and analysis.

*Gat*, *Yoram*, Overfit bounds for classification algorithms.

*Hui*, *Wang*, Multiple shrinkage estimator.

*Kwon*, *Jaimyoung*, Calculus of statistical efficiency in general setting; kernal plug-in estimation for Markov chains; hidden Markov modeling of freeway traffic.

*Li*, *Wei*, Modelling marked point processes with an application to currency exchange rates.

*Liang*, *Chyng-lan*, The detection of stellar occulations by Kuiper belt objects.

*Schweinsburg*, *Jason*, Coalescents with simultaneous multiple collisions.

### University of California, Santa Barbara (2)

MATHEMATICS

*He*, *Chiyu*, Moment problems and operator theory.

*Stanger*, *Adrian*, Vector spaces of modular functions and powers of the partition function.

## DISTRICT OF COLUMBIA

### George Washington University (4)

STATISTICS

*Chen*, *Xuejun*, The estimation and asymptotic theory of the multiplicative frailty model.

*Moriarity*, *Christopher*, Statistical properties of statistical matching.

*Sellers*, *Kimberly*, Vague coherent systems.

*Yu*, *Binbing*, Some problems arising in observational studies: Potential effect of selection bias and omitted variables.

## MASSACHUSETTS

### Harvard University (3)

BIOSTATISTICS

*Bellamy*, *Scarlett*, Clustered data methods with applications to community-based research.

*French*, *Jonathan*, Analysis of environmental health data with missing values.

*Morales*, *Knashawn*, Statistical methods for risk assessment based on epidemiological data.

## MISSOURI

### University of Missouri, Columbia (3)

MATHEMATICS

*Goward*, *Russel*, A simple algorithm for principalization of monomial ideals.

*Hollenbeck*, *Brian*, Best constants for operators involving the Hilbert transform.

*Stanislavova*, *Milena*, Spectral mappings theorems and invariant manifolds for infinite-dimensional Hamiltonian systems.

## NEW YORK

### Columbia University (3)

MATHEMATICS

*Chau*, *Albert*, Flow on noncompact Kahler Einstein metrics.

*Kamizono*, *Kenji*, Hedging and optimization under transaction costs.

*Langmead*, *Gregory*, A supersymmetric quantum field theory formulation of the Donaldson polynomial invariants.

## OHIO

### University of Cincinnati (1)

MATHEMATICAL SCIENCES

*Gonchigdanzan, Khurelbaater*, Almost sure central limit theorems.

## OREGON

### Oregon State University (3)

STATISTICS

*Hamilton*, *Evan*, A linear programming and sampling approach to the cutting-order problem.

*Ritter*, *Kerry*, Statistical aspects of two measurement problems: Defining taxonomic richness and testing with unanchored responses.

*Suh*, *Euh-Young*, Semiparametric maximum likelihood for nonlinear regression with measurement errors.

## PENNSYLVANIA

### Carnegie Mellon University (8)

STATISTICS

*DiMatteo*, *Ilaria*, Bayesian curve fitting using tree-knot splines.

*DiPietro*, *Michele*, Bayesian inference for discretely sampled diffusion processes with financial applications.

*Huang*, *Tzee-Ming*, Convergence rates for posterior distributions.

*Johnson*, *Matthew S.*, Parametric and nonparametric extensions to unfolding response models.

*Jones*, *Bobby L.*, Analyzing longitudinal data with mixture models: A trajectory approach.

*Lockwood*, *John R.*, *III*, Estimating joint distributions of contaminants in U.S. community water system sources.

*Nichols*, *Thomas E.*, Spatiotemporal modeling in positron emission tomography.

*Tang*, *Feng*, A model-based Bayesian fault diagnostic system with applications to semiconductor manufacturing processes.

### Temple University (5)

STATISTICS

*Hyslop*, *Terry*, The assessment of individual and population bioequivalence in crossover designs.

*Kwagyan*, *John*, Further investigations of the disposition model for correlated binary outcomes.

*Lupinacci*, *Paul*, D-optimal designs for a class of nonlinear models.

*Xie*, *Yang*, Split-plot type residual effects designs.

*Zhang*, *Daozhi*, Pareto optimal designs in behavioral experiments.

## TENNESSEE

### University of Memphis (8)

MATHEMATICAL SCIENCES

*Ackeriman*, *Michael*, On the diameter of graphs after vertex and edge deletion.

*Balog*, *Jozsef*, Graph properties and bootstrap percolation.

*Ingram*, *Debra*, The construction of generalized minimum aberration designs by efficient algorithm.

*Li*, *Yingfu*, Construction of generalized minimum aberration designs through Hadamard matrices and orthogonal arrays.

*Soeharyadi*, *Yudi*, Regularity for hyperbolic balance laws.

*Wang*, *Wei*, Stochastic and state space model in carcinogenesis and cell population.

*Yang*, *Wenjian*, On some exact statistical procedures for analyzing correlated binary.

*Zhang*, *Zhaohua*, Natural language sensing and metacognition modeling in software agents.

## TEXAS

### Rice University (4)

STATISTICS

*Boekenhaver, Rachel*, Estimating nonlinear functionals of a random field.

*Cramer, Roxy*, Parameter estimation for discretely observed continuous-time Markov chains.

*Shaw, Chad A.*, Genealogical methods for multitype branching processes with applications in biology.

*Wojciechowski, William C.*, Robust modeling.

## UTAH

### Utah State University (5)

MATHEMATICS AND STATISTICS

*Cui, Xiangchen*, MSE bounds and perfect sampling for conditional coding.

*Florin, Catrina*, Positive solutions obtained as local minima via symmetries, for nonlinear elliptic equations.

*Moisen, Gretchen*. Comparing nonlinear and nonparametric modeling techniques for mapping and stratification in forest inventories of the interior western USA.

*Yan, Huey*, Generalized minimum penalized Hellinger distance estimation and generalized penalized Hellinger deviance testing for discrete generalized linear models.

*Zhao, Guohua*, A new perspective on classification