8. Conferences 2000

▶ BS 2000 Workshop on Statistical Science and Environmental Policy: Possible Interactions January 10–12, 2000, Calcutta (India)

This workshop is jointly organized by the Indian Statistical Institute and the Bernoulli Society.

The major environmental theme areas to be covered are: Biodiversity; Land, Air and Water Pollution; Environment, Economics and Population; Global Warming and Climate Change; New Technology for Environment Management.

The stress will be on dialogues between the groups focussing on assessment of existing data bases in India and other developing countries, statistical analysis of existing data, design for collecting new data, and models and forecasts for future scenarios.

Invited speakers include subject matter experts (mostly from India) and statisticians (mostly from outside India). There will be about 20 invited lectures by scientists from Australia, Canada, India, New Zealand, Japan, Taiwan and USA. Participation is by invitation. To encourage further interaction, about 15 young scientists with proven motivation and already working on different aspects of the environmental situation in India are invited to attend the workshop and take part in discussion. There will be 3 plenary lectures and two popular lectures. The popular lectures will be for high school students. Details on the plenary lectures are given below.

- Watershed Frontier of Landscape Health Assessment in Environmental and Ecological Statistics (G. P. Patil)
- Incorporating Stochasticity in Environmental Models (J. Filar)
- Population Problem and Environmental Degradation (D. K. Bose)

There will also be a policy oriented panel discussion. The proceedings of the workshop will be published. The workshop is funded by the Indian Statistical Institute, Department of Statistics and Programme Implementation, Government of India and West Bengal Pollution Control Board.

International Conference on Fundamental Sciences: Mathematics and Theoretical Physics March 13–17, 2000, Singapore

This conference is being organized by the Faculty of Science, National University of Singapore, Singapore, and the Isaac Newton Institute for Mathematical Sciences, Cambridge, United Kingdom, in conjunction with the Institute of Physics, Singapore, and the Singapore Mathematical Society. Its theme is "Challenges in mathematics and theoretical physics for the twenty-first century".

The program will consist of three main components, namely scientific sessions, public lectures and lectures to schools. Lectures in all components will be conducted by invited speakers. The scientific sessions will consist of common sessions, special sessions and poster sessions for contributed papers. The lectures and poster sessions will be held at the Sheraton Towers Singapore.

The common sessions involve three areas of mutual interest to both mathematicians and physicists, namely, quantum field theory, dynamical systems and scientific computation. Two one-hour lectures will be given in each of these areas. The special sessions will consist of twelve one-hour lectures in each of mathematics and theoretical physics.

Participants to the conference who wish to contribute papers for the poster sessions are referred to the conference website at

`http://www.math.nus.edu.sg/icfs`

for details.

Further information

The Organizing Secretary
International Conference on Fundamental Sciences
Mathematics and Theoretical Physics
c/o Department of Mathematics
National University of Singapore
2 Science Drive 2
Singapore 117543
fax: +65 779 5452
email: icfs@math.nus.edu.sg

Statistics: Reflections on the past and visions for the future
March 16–19, 2000, San Antonio, Texas (USA)

This international conference will be held in honor of Professor C. R. Rao on the occasion of his 80th birthday. The primary focus of the conference will be to provide a forum for participants to discuss the changing face of statistical research and to highlight the contributions of C. R. Rao to different areas of Probability and Statistics.

Program

There will be several invited presentations by renowned statisticians and numerous technical sessions of contributed talks. The organizing committee consists of N. Balakrishnan (McMaster University), N. Kannan (University of Texas-San Antonio), J. P. Keating (University of Texas-San Antonio), R. Khattree (Oakland University), T. Nayak (George Washington University), and S. Peddada (University of Virginia).

Further Information

Please check
`http://www.math.utsa.edu/~kannan/conf`
or contact Nandini Kannan
email: kannan@sphere.math.utsa.edu

German Open Conference on Probability and Statistics (Hamburger Stochastik-Tage 2000)
March 21–24, 2000, Hamburg (Germany)

Following the tradition of three former *Stochastic Days* the conference shall again give opportunity to participants from universities, business and administration to present new results in the field of probability and statistics—in theory as well as in practice—and to discuss them with colleagues in an international environment.

Conference languages: English and German.

Program Committee

C. Klüppelberg (München, Chair), H. Dette (Bochum), H.-J. Engelbert (Jena), E. Mammen (Heidelberg), G. Neuhaus (Hamburg), M. Nussbaum (WIAS Berlin), V. Schmidt (Ulm), M. Schweizer (Berlin), A. Wakolbinger (Frankfurt).

Chair of the Local Organizing Committee:
Georg Neuhaus
email: stoch2000@math.uni-hamburg.de

Sections

1. Medical Statistics and Biometry,
   Niels Keiding (Kopenhagen)
2. Stochastic Methods in Optimization and Operations Research,
   Karl-Heinz Waldmann (Karlsruhe)
3. Asymptotic Statistics, Nonparametrics and Resampling,
   Lutz Dümbgen (Lübeck)
4. Statistics of Stochastic Processes and Time Series,
   Jens-Peter Kreiss (Braunschweig)
5. Monte-Carlo-Methods, Simulation and Image Processing,
   Claudia Czado (TU München)
6. Data Analysis and Design of Experiments,
   Ursula Gather (Dortmund)
7. Model Choice in Statistics,
   Friedrich Liese (Rostock)
8. Limit Theorems and Large Deviations,
   Gerd Christoph (Magdeburg)
9. Statistics of Extremes and Subexponential Distributions,
   Thomas Mikosch (Groningen)
10. Insurance and Finance,
    Christian Hipp (Karlsruhe)
11. Stochastic Geometry and Spatial Statistics,
    Martina Zähle (Jena)
12. Stochastic Networks and Random Graphs,
    Rudolf Mathar (Aachen)
13. Stochastic Models in Biology and Physics,
    Anton Bovier (Berlin)
14. Stochastic Analysis,
    Michael Röckner (Bielefeld)
15. Dynamical Systems and Ergodic Theory,
    Michael Scheutzow (Berlin)
16. Quality Control and Reliability Theory,
    Waltraud Kahle (Magdeburg)
17. Open Section,
    Gerhard Huebner (Hamburg)

Conference Program

All sections comprise an invited survey lecture (40 minutes) and contributed lectures (25 minutes including discussion), which will be organized in parallel sessions.

Besides the lectures listed above there will be three invited plenary lectures (including opening and closing lecture), a podium discussion on the topic "Stochastics after the year 2000" as well as a social event evening. Upon request poster sessions can be organized, software presentations are also possible.

Speakers

P. K. Andersen (Copenhagen), E. Arjas (Helsinki), L. Arnold (Bremen), O. Barndorff-Nielsen (Aarhus), P. Deheuvels (Paris), K. J. Falconer (Saint Andrews), H. Föllmer (Berlin), M. Fukushima (Osaka), F. Götze (Bielefeld), O. Häggström (Gothenburg), N. Henze (Karlsruhe), F. den Hollander (Nijmegen), A. Hordijk (Leiden), H. R. Künsch (Zürich), M. Neumann (Berlin), P. Rousseeuw (Antwerp), G. Samorodnitsky (Cornell), B. Silverman (Bristol), W. Schmidt (Frankfurt), M. Taksar (Stony Brook), W. R. van Zwet (Eindhoven).

Further Information

Additional information can be found at
`http://stoch2000.math.uni-hamburg.de/`
or write to

Hamburger Stochastik-Tage 2000
c/o Prof. Dr. Georg Neuhaus
Institut für Mathematische Stochastik
Universität Hamburg
Bundesstr. 55
D-20146 Hamburg
Germany
email: stoch2000@math.uni-hamburg.de

▶ BS 2000 Workshop on Stochastic Geometry Symposium on Inference for Stochastic Processes May 10–12, 2000, Athens, Georgia, (USA)

The Symposium is cosponsored by the Institute of Mathematical Statistics and is a satellite meeting to the Fifth World Congress of the Bernoulli Society. The Workshop on Stochastic Geometry, being held with the Symposium, is one of six workshops on topical areas arranged as part of the Bernoulli Society contribution to the World Mathematical Year 2000 program of the International Mathematical Union.

Sessions (tentative)

1. *Foundations*
   Shifting paradigms in inference (C. C. Heyde)
2. *Models in Finance*
   Turbulence and finance (O. E. Barndorff-Nielsen), Options trading under statistical uncertainty (P. A. Mykland), Nonlinear models for financial time series (P. J. Brockwell)
3. *Stochastic Geometry I*
   J-functions for random sets (A. Baddeley), Perfect simulation and stochastic geometry (J. Moeller)
4. *Biostatistics*
   Issues in the analysis of binary longitudinal data (M. E. Thompson), Inference for birth and death urn designs (N. Flournoy), Inference on random coefficient models for haplotype effects in dynamic mutations(R. M. Huggins)
5. *Time Series I*
   Linear processes with nonlinear behavior (R. A. Davis), Stability of nonlinear time series: what does error have to do with it? (D. B. H. Cline), Prediction, likelihood evaluation and inference for periodic time series models (R. Lund)
6. *Contributed Papers I*
7. *Stochastic Differential Equations and Filtering*
   Inference and nonlinear filtering problems (G. Kallianpur), Statistical inference for SDE's and SPDE's (B.L.S. Prakasa Rao)
8. *Inference & Estimating Functions* Some aspects of statistical inference in stochastic processes (G. Roussas), Prediction-based estimating functions (M. Sørensen)
9. *Stochastic Geometry II*
   An invariant approach to statistical analysis of shapes: theory and practice (L. Lele), Inhomogeneous spatial point processes (E. V. Jensen), Optimization problems for Poisson point processes (I. Molchanov)
10. *Time Series II*
    Efficient detection of random coefficients in autoregressive models (M. Hallin), Estimation of the long-memory parameter: a review of some recent developments (R. Bhansali), Optimal inference for semiparametric time series (W. Wefelmeyer)
11. *Inference & Prediction*
    Using Laplace transforms for parameter estimation (R. Tweedie), Predictive inference and empirical Bayes analysis (R. L. Smith)
12. *Contributed Papers II*
13. *Spatial Statistics*
    Semiparametric inference for spatial coupling in cyclic dynamic systems (P. Greenwood), A model for spatial clustering based on area-interaction point processes (I. McKeague)
14. *Medical Imaging*
    L. Shepp, M. Miller, P. Mitra
15. *Wavelets and Inference*
    Wavelet analysis of conservative cascades (S. Resnick), Inference for repeated measures designs (M. Akritas)
16. *Estimation and Convergence*
    Ergodic results for negatively dependent processes (R. L. Taylor), Conditional distributions and the Gibbs sampler (K. B. Athrea), Estimation of tail parameters for stochastic models (W. P. McCormick)
17. *Perspectives*
    Estimating functions for stochastic processes (V. P. Godambe), Inference for stochastic processes: some perspectives (I. V. Basawa)

Symposium Site

Georgia Center for Continuing Education at the University of Georgia, Athens GA, USA

Accommodation

A limited number of rooms are available for the Symposium participants at the Georgia Center. The Symposium webiste has a lodging link to the Georgia Center facilities. Indicate participation in the Symposium to obtain the reduced rate for one of the rooms reserved for the Symposium.

Other lodging is available at the major hotels and motels in Athens near campus:

Holiday Inn	+1 706 549 4433
Best Western	+1 706 546 7311
Hampton Inn	+1 706 548 9600
Travelodge Downtown	+1 706 549 5400
Holiday Inn Express	+1 706 546 8122
Comfort Inn	+1 706 227 9700

The Georgia Center facilities are handicap-accessible, and all buildings on campus are smoke-free. Assistance in arranging accommodation is available from the Conference Secretary.

Travel

Athens is served locally by USAir. Most travelers prefer the numerous and more economical flights via the Atlanta Airport. Van transportation between the Atlanta Airport and Athens is provided by AAA Airport Express, The website `www.aaaairportexpress.com` lists the most current schedules and prices.

Social Events

Social Reception, May 9
Symposium Banquet, May 11
Symposium Luncheon, May 12.

Further Information

Additional information may be obtained from the Symposium website:

`http://www.stat.uga.edu/faculty/symp2000.html`

or by contacting any one of the organizers:
I. V. Basawa (ishwar@stat.uga.edu)
C. C. Heyde (chris@wald.stat.columbia.edu)
R. L. Taylor (bob@stat.uga.edu).

or the Conference Secretary:

Dawn Tolbert,
Department of Statistics
University of Georgia
Athens, GA 30602-1952 phone: +1 706 542 3303
USA fax: +1 706 542 3391
email: dawn@stat.uga.edu

Workshop on Hierarchical Modeling in Environmental Statistics
May 14–16, 2000 Columbus, Ohio (USA)

The workshop at the Ohio State University is cosponsored by Ohio State University and the American Statistical Association's Section on Statistics and the Environment.

The program will feature presentations by international experts. Participants will also be involved in small discussion groups. A tutorial on Bayesian hierarchical modeling will precede the conference on Sunday morning May 14, 2000.

Further Information

Please visit

`www.stat.ohio-state.edu/~ncressie`

or contact

Noel Cressie
Department of Statistics
1958 Neil Avenue
404 Cockins Hall phone: +1 614 292 5194
The Ohio State University
Columbus, OH 43210-1247 fax: +1 614 292 2096
email: ncressie@stat.ohio-state.edu

▶ Joint BS/IMS Conference Year 2000, 5th World Congress
May 15–20, 2000, Guanajuato (Mexico)

The 5th World Congress of the Bernoulli Society for Probability and Mathematical Statistics and the 63rd Annual Meeting of the Institute of Mathematical Statistics will be held at Guanajuato, Mexico.

The format of the meeting will be similar to that of the previous joint meetings held in Tashkent, Upsala, Chapel Hill and Wien, blending Bernoulli Society and IMS traditions.

Program Committee

L. Brown, C. Cutler, M. Fukushima, E. Giné (Chairman), L. Gorostiza, W. Kendall, C. Klüppelberg, M. Ledoux, E. Mammen, D. Mason, V. Pérez-Abreu, J. Pitman, A. Raftery, D. Siegmund, B. Silverman, R. Tibshirani, J. Wellner, R. Williams and W. Wong.

The Program Committee is responsible for selecting the topics of most of the Invited Paper Sessions.

Special Invited Lectures

- Special Bernoulli Society Lecture.
  25 years of Bernoulli Society (J. Teugels, Katholieke Universiteit Leuven)
- Wald Lectures
  Asymptotics and the theory of statistical inference (N. Reid, University of Toronto)
- Neyman Lecture
  Some statistical problems from biotechnology (M. E. Bock, Purdue University)
- Kolmogorov Lecture
  Large Deviations, Interacting Particles and Scaling Limits (S. R. S. Varadhan, New York University)
- Laplace Lecture
  I. Johnstone, Stanford University
- Bernoulli Lecture
  Statistical inference in molecular population genetics (P. Donnelly, Oxford University)
- Special Lecture on Stochastic Processes and Ap-

plications (Sponsored by Elsevier Science)
On exponential functionals of Brownian motion and related processes (M. Yor, Université Pierre et Marie Curie, Paris)

– IMS Special Invited Lecture
Convex duality in Mathematical Statistics, Probability and Finance (I. Karatzas, Columbia University), Bayes Procedures for Infinite-dimensional Parameters (A. van der Vaart, Free University of Amsterdam), M. West, Duke University, Topics on random interfaces (E. Bolthausen, Universitt Zürich)

Invited Paper Sessions

1. Pattern Recognition and Image Analysis. Organizer: Yali Amit, University of Chicago, Chicago, USA.
2. Diffusion Processes and Analysis. Organizer: Richard Bass, University of Connecticut, Storrs, USA.
3. Bayesian/Frequentist P-values and Tests. Organizer: James Berger, Duke University.
4. Free Probability. Organizer: Philippe Biane, Ecole Normale Superieure, Paris, France.
5. Statistical Mechanics of Disordered Systems. Organizer: Anton Bovier, University of Berlin, Germany.
6. Random Walks in Random Environments. Organizer: Francis Comets, Université de Paris VII, France.
7. Time Series Analysis. Organizer: Rainer Dahlhaus, Universität Heidelberg, Germany.
8. Stochastic Networks. Organizer: Jim Dai, Georgia Institute of Technology, Atlanta, Georgia.
9. Martingale and Decoupling Inequalities. Organizer: Victor de la Peña, Columbia University, New York, USA.
10. Strong Approximation in Probability and Statistics. Organizer: Uwe Einmahl, Vrije Universiteit Brussels, Belgium.
11. Measure Valued Processes. Organizer: Alison Etheridge, Oxford University, UK.
12. Interacting Particle Systems. Organizer: Pablo Ferrari, Universidad de Sao Paulo, Brazil.
13. Probability Methods in Mathematical Physics. Organizer: Tadahisa Funaki, University of Tokyo, Japan.
14. New directions in survival analysis. Organizer: Richard Gill, University of Utrecht.
15. Markov chain Monte Carlo: theory and applications. Organizer: Peter J. Green, University of Bristol.
16. Computational Methods in Semiparametric Statistics. Organizer: Piet Groeneboom, Delft University of Technology, The Netherlands.
17. Probability and Statistics in the Earth Sciences. Organized by Peter Guttorp, University of Washington, Seattle, USA.
18. Probability in Infinite Dimensions, Applications and Related Topics. Organizer: Jim Kuelbs, University of Wisconsin, Madison, USA.
19. Topics in large deviations and limit theorems. Organizer: Jim Kuelbs, University of Wisconsin, Madison, USA.
20. Sharp Probability Inequalities and Applications. Organizer: Stanislaw Kwapien, Warsaw University, Poland.
21. Model Selection. Organizer: Pascal Massart, Universit de Paris-Sud, Orsay, France.
22. Semiprametric Models and Applications. Organizer: Susan Murphy, University of Michigan, Ann Arbor, USA.
23. Probability and Statistics in Evolutionary Genetics. Session Organizer: Michael Newton, University of Wisconsin, Madison, USA.
24. Nonstationary Spatial Processes. Organizer: Doug Nichka, National Center for Atmospheric Research, Boulder, Colorado, USA.
25. Random Graphs and Tilings. Organizer: Robin Pemantle, Ohio State University, Columbus, USA.
26. Graphical Markov Models and Their Applications in Multivariate Statistical Analysis. Organizer: Michael D. Perlman, University of Washington, Seattle, USA.
27. Functional Data Analysis. Organizer: James O. Ramsay, McGill University, Montréal, Canada.
28. Stochastic Analysis. Organizer: Michael Röckner, Universität Bielefeld, Germany.
29. Statistical Genetics. Organizer: Kathryn Roeder, Carnegie-Mellon University, Pittsburgh, Pennsylvania, USA.
30. Wavelets in Statistics. Organizer: R. von Sachs, Université Catholique de Louvaine, Belgium.
31. Applications of Probability in Finance and Insurance. Organizer: W. Schachermayer, Technische Universität Wien, Austria.
32. Mining and Analysis of Large/High-Dimensional Data. Organizer: David W. Scott, Rice University, Houston, Texas, USA.
33. Statistics in Finance. Organizer: Neil Shephard, Nuffield College, Oxford, UK.
34. Random Sets and Statistics of Shape. Organizer: Christopher G. Small, University of Waterloo, Canada.
35. Extremes Values in Statistics and Probability. Organizer: Richard Smith, University of North Carolina, Chapel Hill, USA.
36. Non Parametric Curve Estimation. Organizer: Vladimir Spokoiny, Universitt Wrzburg, Germany.
37. Symbolic Computation in Statistics. Organizer: James Stafford, University of Toronto, Canada.
38. Applications of Empirical Processes. Organizer: Sara van de Geer, Leiden University, The Netherlands.
39. Point Processes and Fractal Dimensions. Organizer: David Vere-Jones, Victoria University of Wellington, New Zeland.

General Information

The Conference will take place in the City of Guanajuato from Monday 15th to Saturday 20th, having registration on Sunday the 14th, 2000. Guanajuato is the capital of the State of Guanajuato, site of CIMAT (Research Center for Mathematics) and the University of Guanajuato.

The Conference World Wide Web site can be accessed at `http://www.Bernoulli-ims-2000.org.mx`. Updated information regarding fees, accommodations and program details are available on this page. The information may be also requested via email by sending a message to info@Bernoulli-IMS-2000.org.mx or wc2000@cimat.mx with the phrase Guanajuato-2000 stated in the subject heading.

About Guanajuato

Guanajuato City is located about 350 km (220 miles) NW of Mexico City. The City of Guanajuato (“*gwah-na-gwah-toe*”) dazzles the visitor with the charm of its relaxed atmosphere, its cobblestone streets, its picturesque plazas and its underground streets. While remaining a small provincial city, Guanajuato boasts a great number of attractions, from beautiful colonial buildings to modern museums, from silver mines to a university. Guanajuato's altitude, 2000 meters (6000 feet), ensures that the climate is always pleasant. The rainy season is from June to September, which generally means a shower in late afternoon. Nights are cool in winter, but otherwise you should expect temperatures around 20° C (68 F). Temperatures in May average 22° C, with highs averaging 32° C and lows 13° C.

Guanajuato is a famous international tourist destination. American, Continental, Mexicana, Aeromexico, TAESA, and Aerocalifornia have direct flights from major U.S. cities to the León-Guanajuato International Airport. From Mexico City there are daily flights to the León-Guanajuato International Airport with Aeromexico, Aerocalifornia and TAESA airlines. It is also possible to arrive to Guanajuato from Mexico City by comfortable buses ($4\frac{1}{2}$ hours trip). We advise participants to make flight reservations as soon as possible since there are several meetings taking place during that time in the region.

Aeromexico offers congress participants a 10 % discount on some airfares, extensively to spouse and children aged 12–20. Also United Airlines offers 5 % discount on some airfares. You have to mention that you will be attending the Congress.

Social Program

Several activities are being planned for the enjoyment of conference attendees and accompanying persons. These include a Conference Dinner held at the gardens of Ex Hacienda San Gabriel de Barrera (set in a colonial-period mining estate) and cultural events, one to be held at Guanajuato's most renowned theater, the Teatro Juarez (stunning in its ornate, elegant, mixed style). Day trips for accompanying persons are possible to nearby cities like Dolores Hidalgo, Leon and San Miguel de Allende.

Further Information

on Registration, Abstract Submission and Accommodation can be found on the web site at

`http://bernoulli-ims-2000.org.mx.`

IMS/Bernoulli Society Meeting
CIMAT Apdo.
Postal 402
Guanajuato — Phone +52 473 27155
GTO. 36000 Mexico — fax: +52 473 24511

ISBA2000: The 6th World Meeting of the International Society for Bayesian Analysis May 28–June 1, 2000, Hersonissos (Crete)

ISBA2000 will focus on research and interdisciplinary applications of Bayesian statistics. The meeting will feature over 100 presentations on diverse topics ranging through theory, methodology and many application areas, as well as tutorial presentations for new researchers. Some of the formal presentation sessions will be devoted to the specific meeting theme, emphasising Bayesian methods in government, official statistics and public policy. Submission of proposals for talks and posters are welcome, with an initial deadline of October 1 1999. Further details are available at the ISBA2000 web site. ISBA2000 is pleased to announce cosponsorship from Eurostat and the Association of Balkan Statisticians.

Further Information

`http://www.bayesian.org/isba2000/isba2000.html`

or contact the Scientific Committee Chair Mike West (email: mw@stat.duke.edu)

ACCURACY 2000—4th International Symposium on Spatial Accuracy, Assessment in Natural Resources and Environmental Sciences July 12-14, 2000, Amsterdam (The Netherlands)

Aim and Scope of the Symposium

Within the environmental sciences—whether it be hydrology, soil science, geomorphology, oceanography, forestry, climatology, geo-ecology or any other branch that one may think of—much use is made of spatially distributed data. These data, frequently stored as maps in a spatial data base or Geographical Information System (GIS), are rarely, if ever, truly free of error. Furthermore, these data are often used as inputs to various models of environmental processes that are themselves also subject to uncertainty. Spatial statistics and stochastic systems theory offer methodologies to handle these uncertainties, but the successful implementation and application of these methods requires the joint efforts of scientists from various disciplines.

The aim of this Symposium is to bring together experts from environmental science, spatial statistics and geographic information science to further develop theory and practical application of methods for handling spatial uncertainty in the environmental sciences.

Building on the success of the previous symposia in Williamsburg, Virginia (1994), Fort Collins, Colorado (1996) and Quebec City, Canada (1998), this Symposium is THE international meeting place for experts taking special interests in the assessment, modelling, visualisation and propagation of uncertainty in spatial data and spatial process models.

Topics

- Development of error-sensitive GIS
- Theory and application of uncertainty propagation in spatial modelling
- Handling uncertainty in remotely sensed images and classification
- Design-based and model-based approaches to spatial uncertainty assessment
- Stochastic spatial simulation
- Handling spatio-temporal uncertainty
- Spatial uncertainty modelling for categorical data
- Visualization of spatial uncertainty
- Effect of aggregation and generalization on spatial uncertainty assessment
- Incorporating uncertainty in spatial decision making
- Inverse estimation techniques for calibrating spatial process models
- Simultaneous handling of positional and attribute uncertainty
- Discretization and up-scaling effects for global environmental models
- Model validation with imperfect ground truth data

Scientific Advisory Board

M. Bierkens (Wageningen), R. Congalton (New Hampshire), N. Cressie (Ohio), R. Czaplewski (USDA), P. Fisher (Leicester), I. Florinsky (Moscow), R. Gill (Utrecht), J. Gomez-Hernandez (Valencia), M. Goodchild (California), P. Goovaerts (Michigan), A. Jenkins (Wallingford), M. Kühl (Dresden), A. Lewis, K. Loague (Stanford) K. Lowell (Laval), A. McBratney, (Sydney), T. Mowrer (USDA), M. Oliver (Reading), A. Olsen, W. Shi (Hong Kong), St. Stehman (New York), A. Stein (Wageningen), M. van Meirvenne (Gent), M. Voltz (Montpellier)

Meeting Format

Each day will start with a plenary session featuring a keynote speaker and selected contributed papers. The Symposium will then break into parallel sessions. In addition, the provisional programme comprises a poster session and a forum discussion. Throughout the Symposium, much effort will be placed on creating a convivial atmosphere for informal discussion and personal contacts.

The Symposium will be limited to 250 participants.

Workshop

In collaboration with the International Society of Photogrammetry and Remote Sensing (ISPRS), a workshop entitled "Handling Uncertainty in Remotely Sensed Data for Natural Resource Management" will be held immediately after the Symposium on Saturday July 15.

The workshop is also open to delegates of the XIXth Congress of the ISPRS, which will be held in Amsterdam from July 16 to 23, 2000.

`http://www.itc.nl/ isprs`

Further Information

For more information concerning registration and other practical matters:

Conference Office
Universiteit van Amsterdam
PO Box 19268
1000 GG Amsterdam phone: +31 20 525 4791
The Netherlands fax: +31 20 525 4799
email: congres@bdu.uva.nl

For more information on the scientific program:

Spatial Accuracy Symposium
ICG Office
Nieuwe Prinsengracht 130
1018 VZ Amsterdam phone: +31 20 525 7425
The Netherlands fax: +31 20 525 7431
email: accuracy@frw.uva.nl

Up-to-date information can also be obtained at:
`http://www.gis.wau.nl/Accuracy2000`

International Conference on Mathematical Statistics STAT'2000 August 21–25, 2000, Szklarska Poręba (Poland)

The International Conference on Mathematical Statistics STAT'2000 will be held as a continuation of a series of international conferences (including among others Wisła'76-79, Olsztyn'88, Poznań'93, Jachranka'96 and Łagów'98) organized on behalf of the Polish statistical community.

Organizers

The Institute of Mathematics of the Wrocław University of Technology and the Institute of Mathematics of the Polish Academy of Sciences.

Topics

The main topics considered for the conference are applied statistics, multivariate analysis, nonparametric and semiparametric methods, robust inference, survival analysis. The aim is to bring together active researchers and practitioners in various fields of contemporary statistics to enable their interaction. The emphasis will be on methodology, applicability and providing insight into the use of the methods presented.

Scientific Program Committee

T. Bednarski, R. Kala, T. Ledwina (Chairman), J. Mielniczuk and T. Rychlik.

Organizing Committee

A. Janic-Wróblewska, A. Jokiel-Rokita, R. Magiera (Chairman), Z. Porosiński and M. Wilczyński.

Conference Program

There will be invited lectures, contributed papers and poster sessions. Contributions will be in English.

Invited Speakers

The following invited speakers have already agreed to participate:

O. O. Aalen (Oslo), A. C. Atkinson (London), S. Csörgő (Szeged), J. Faraway (Ann Arbor), J. Franz (Dresden), R. D. Gill (Utrecht), W. C. M. Kallenberg (Enschede), U. Kamps (Oldenburg), W. J. Krzanowski (Exeter), Y. Ritov (Jerusalem), P. K. Sen (Chapel Hill), J. Thompson (Houston), R. Tomassone (Paris).

Location

Szklarska Poręba is a holiday resort attractively situated in a mountainous area in south-western Poland, about 100 km from Wrocław. A free bus connection will be provided from Wrocław to the conference site.

Further Information

Those possibly interested should email stat2000@neyman.im.pwr.wroc.pl

The first announcement including costs and important deadlines will be available at

`http://neyman.im.pwr.wroc.pl/~stat2000/`

21st ISCB Meeting—Annual Meeting of the International Society for Clinical Biostatistics September 4–8, 2000, Trento (Italy)

The meeting is organized by Ettore Marubini (Milan, Scientific Committee Chair) and Maria Grazia Valsecchi (Verona, Local Chair).

Further Information

`http://www.gelso.unitn.it/~iscb2000`
email: ISCB2000@gelso.unitn.it
fax: +39 0461 231044

Algoritmy 2000—Conference on Scientific Computing September 10–15, 2000, Vysoke Tatry (Slovakia)

General Information

ALGORITMY (Algorithms) represents the oldest Central-European series of international meetings devoted to applied mathematics and computer science.

15th ALGORITMY 2000 conference is going to be held in a beautiful resort in the High Tatra Mountains (Vysoke Tatry) and will be organized by Slovak University of Technology, Bratislava in cooperation with Comenius University, Bratislava and other institutions.

The conference will be devoted to computational realizations and analysis of the algorithms solving real problems from all branches of science, technology, medicine, finance and other applications. The main topics include methods of

- computational fluid dynamics
- nonlinear heat and mass transfer
- modeling of flow in porous media
- simulations of free boundary phenomena
- computational finance
- image processing and computer vision
- data analysis and pattern recognition
- scientific visualization
- software for scientific computations.

Special attention is given to the robust numerical, statistical and visualization methods implemented on modern computer architectures.

Refereed proceedings of plenary lectures and contributions of participants will be published. You or your colleagues are invited to submit a paper related to the topics of the conference.

Scientific Program Committee

E. Baensch (Bremen), P. Brunovsky (Bratislava), G. Dziuk (Freiburg), W. Jäger (Heidelberg), J. Kacur (Bratislava), J. Komornik (Bratislava), G. Meyer (Atlanta), K. Mikula (Bratislava), M. Rumpf (Bonn), J. A. Sethian (Berkeley)

Social Program

We plan also complementary activities:

- hike to Krivan (2494), the most impressive Slovak peak
- visit of the eastern Slovak historical town Levoca (with world highest wooden altar of Majster Pavol) and Spissky hrad (largest castle complex in Karpaty)
- visit of the open-air museum of Slovak traditional village architecture in Pribilina (skanzen, 2 km from the hotel)

Organizing Committee

P. Frolkovic, A. Handlovicova, M. Komornikova, Z. Kriva, K. Mikula, M. Minarova, P. Struk, D. Sevcovic

Further Information and Registration

`http://www.math.sk/alg2000`

ALGORITMY 2000
Department of Mathematics and Descr. Geometry
Slovak University of Technology
Radlinskeho 11
813 68 Bratislava
Slovakia
email: alg2000@vox.svf.stuba.sk

TMR Network in Spatial and Computational Statistics
Open Conference: Spatial and Computational Statistics
September 17–21, 2000, Ambleside (UK)

This open conference (BS-sponsored) will cover the following broad themes in spatial and computational statistics:

- Spatial point processes and stochastic geometry
- Non-linear geostatistical models and methods
- Latent models
- Markov chain Monte Carlo theory and methods
- Extreme value theory and methods

To promote close interaction amongst participants, there will be *no parallel sessions.*

Invited speakers

Julian Besag (University of Washington, Seattle, USA) Laird Breyer (Aalborg University, Denmark/Lancaster University, UK) Richard Davies (Colorado State University, USA) Merrilee Hurn (University of Bath, UK) Hein Putter (University of Amsterdam, The Netherlands) Martin Schlather (Bayreuth University, Germany) David Spiegelhalter (MRC Biostatistics Unit, Cambridge, UK) Dietrich Stoyan (Freiberg University, Germany) Richard Tweedie (University of Minnesota, USA) Rasmus Waagepetersen (Chalmers University, Sweden) Jonathan Wakefield (University of Washington, Seattle, USA)

In addition the programme will include about 25 half-hour slots for contributed oral presentations, and an evening poster session.

Venue

Charlotte Mason College is located in the centre of Ambleside, which is itself set in the heart of the beautiful English Lake District.

Further Information

Further details and the on-line registration form are available at

`www.maths.lancs.ac.uk/~schlathe/ambleside.html`

the number of participants is limited to 140, and early registration is advised.

For any queries not answered on the web-site, please contact

Cathy Thomson phone: +44 1524 594622
email: c.thomson@lancaster.ac.uk,

▶ BS 2000 Symposium on
Defining the Science Stochastics. In Memoriam Jakob Bernoulli
October 4–6, 2000, University of Würzburg (Germany)

The Symposium aims at defining the Science Stochastics, at describing its role towards other sciences and towards society, and at outlining necessary requirements for a professional education.

It is planned to have sessions on the history of stochastics, on competing approaches and terminology, and on the future of stochastics:

- History of Stochastics
  1. Bernoulli and the Ars Conjectandi
  2. Laplaces' Philosophical Essay on Probability
  3. Kolmogorov's Axioms
- Development of Stochastics
  1. Controversies in Stochastics
  2. Dogmatism in Stochastics

3. Terminology in Stochastics

- Presence and Future of Stochastics
  1. State of Stochastics
  2. Defining Stochastics
  3. Future of Stochastics

Program Committee

E. v. Collani, Würzburg
V. V. Kalashnikov, Moscow
M. Dumitrescu, Bucharest

Local Organizing Committee

Elart von Collani, Rainer Göb (University of Würzburg)

Further Information

`http://statistik.mathematik.uni-wuerzburg.de/veranstaltungen.index.html`

Partizipation in the Symposium will be by invitation. However, anyone interested in attending the Symposium is welcome to contact the organizer.

Organizer:

Elart von Collani
Volkswirtschaftliches Institut
University of Würzburg
Sanderring 2
D-97070 Würzburg phone: +49 931 312969
Germany fax: +49 931 312908
email: collani@mathematik.uni-wuerzburg.de

Workshop on Mathematical Finance
October 5–7, 2000, Konstanz(Germany)

Interested colleagues and their pre- and post-doc students are invited to attend the conference and to submit an abstract for a lecture on their recent research.

Further Information

Please visit the Web-site
`http://www.mathe.uni-konstanz.de/~kohlmann/conference.htm`
or contact either

Michael Kohlmann
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Fakultät für Mathematik und Informatik
Postfach phone: +49 75312 88 2655
D-78457 Konstanz fax: +49 7531 88 3324
Germany
email: michael.kohlmann@uni-konstanz.de

or V. Weisser (secretary)
phone: +49 7531 88 2131
email: veronika.weisser@uni-konstanz.de

▶ Bernoulli 2000 Symposium on Neural Networks and Learning
October 25–27, 2000 (tentative), Wako-shi, Saitama (Japan)

In order to celebrate the Mathematical Year 2000, The Bernoulli Society is organizing a number of Symposia in rapidly developing research areas in which probability theory and statistics can play important roles.

Brain science in the wide sense will become more and more important in the 21st century. Information processing in the brain is so flexible and its learning ability is so strong that it is indeed a challenge for information science to elucidate its mechanisms. It is also a big challenge to construct information processing systems of brain style.

The present Symposium focuses on learning ability of real and artificial neural networks and related systems from theoretical and practical points of view. Probability theory and statistics will play fundamental roles in elucidating these systems, and they in turn fortify stochastic and statistical methods.

Theories of neural learning and pattern recognition have a long history, and lots of strong new ideas are emerging currently. They have also practical applicability in the real world problems. Now is a good time to review all of these new ideas and methods and to discuss future directions of developments.

We will invite worldwide top class researchers in these fields and discuss the state-of-the-art of neural networks and learning as well as future directions of this important area. Participation is by invitation only. We are expecting 50–80 participants from all over the world.

The Symposium is sponsored by the Bernoulli Society, the RIKEN Brain Science Institute, and the Institute of Statistical Mathematics.

Topics

Learnability and generalization error, generating and combining ensembles of learners, support vector machines, information geometry of neural networks, statistical inference and neural networks, conditional dependency and graphical models, statistical-physical theory of learning.

Organizing Committee

Shun-ichi Amari (Chair), RIKEN, Japan

Leo Breiman, Berkeley, USA
Shintou Eguchi, Statistical Mathematics, Japan
Michael Jordan, California Berkeley, USA
Noboru Murata, RIKEN, Japan
Mike Titterington, Glasgow, UK
Vladimir Vapnik, AT&T, USA

Venue

BRIKEN Brain Science Institute (Wako-shi, Saitama, Japan; suburb of Tokyo)

Contact

Shun-ichi Amari, email: amari@brain.riken.go.jp

▶ BS 2000 Conference in Financial Mathematics Quantitative Methods in Finance December 4–9, 2000, Sydney (Australia)

This conference is a joint event, comprising both the Quantitative Methods in Finance 2000 Conference and the Bernoulli Society Conference in Financial Mathematics.

Organizers

Carl Chiarella (School of Finance and Economics) and Eckhard Platen (School of Mathematical Sciences), University of Technology, Sydney

Focus

The focus of QMF&BS2000 will be on statistical and filtering methodologies in risk management. Topics to be covered during the conference include pricing and hedging with an emphasis on credit risk, liquidity risk, and energy derivatives.

Program

Modelling and Statistical Methods (Dec. 5)
Filtering and Calibration (Dec. 6)
Credit Risk and Derivatives (Dec. 7)
Risk Management (Dec. 8)

Specialized workshops will be offered on December 4, and 9.

Conference social events will include Cocktails by the Sea, a night at the Sydney Opera House, a Sydney Harbour Cruise, and a Conference Dinner. December is the best time of the year to visit many parts of Australia, so take the opportunity to plan a tour with your travel agent.

Plenary Speakers (expected)

Y. Ait-Sahlia, O. Barndorff-Nielsen, C. Chiarella, E. Eberlein, R. Elliott, R. Frey, R. Gallant, W. Härdle, C. Heyde, J. Jacod, P. Kofman, A. Novikov, E. Platen, W. Runggaldier, M. Sørensen, G. Tauchen, J. van der Hoek

Participants

We expect over 150 international and local delegates from both commercial institutions and academia. There will be selected keynote talks and, as in past QMF conferences, a number of contributed parallel presentations.

Further Information

Please visit our Web-site
`www.bus.uts.edu.au/fin&econ/conferences/qmf2000`
or contact

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University of Technology
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Broadway, 2007
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Australia fax: +61 2 9514 7711
email: QMF@uts.edu.au

International Conference on Recent Developments in Statistics and Probability and Their Applications December 30, 2000 – January 3, 2001, New Delhi (India)

This International Indian Statistical Association (IISA) Biennial Conference is organized by IISA India Chapter in collaboration with other Indian organizations.

Further Information

`http://www.stat.ohio-state.edu/~hnn/IISA.html`Kanwar Sen
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