

PERSONAL HISTORY of Sanpei KAGEYAMA

PRESENT ADDRESS:

(Office) Department of Mathematics, Graduate School of Education,
Hiroshima University, 1-1-1 Kagamiyama,
Hiroshima 739-8524, Japan

[Communication].

Tel: 81-824-24-7082

Fax: 81-824-24-7084

E-mail:ksanpei@hiroshima-u.ac.jp

AREAS OF SPECIALIZATION AND/OR PRESENT RESEARCH INTERESTS:

Combinatorics of Block Designs

Combinatorial Mathematics

Design and Analysis of Experiments

Genetic Experiments

Matrix Theory and Its Applications to Statistics

PROFESSIONAL CAREERS:

April, 1971 - December, 1972: Research Associate (mathematical statistics and discrete mathematics), Faculty of Science, Hiroshima University

January, 1973 - September, 1975: Research Associate (mathematical statistics and discrete mathematics), Faculty of Engineering Science, Osaka University

October, 1975 - September, 1976: Assistant Professor (mathematical statistics and discrete mathematics), Faculty of Education, Hiroshima University

October, 1976 - September, 1984: Associate Professor (mathematical statistics and discrete mathematics), Faculty of Education, Hiroshima University [June, 1978 - September, 1984: joint appointment]

June, 1978 - March, 1992: Associate Professor (mathematical statistics and discrete mathematics), Faculty of School Education, Hiroshima University

April, 1992 - March, 2000: Professor (mathematical statistics and discrete mathematics), Faculty of School Education, Hiroshima University

April, 2000 - March, 2001: Professor (mathematical statistics and discrete mathematics), Faculty of Education, Hiroshima University [Faculty of School Education, April, 2000 - March, 2003: joint appointment]

April, 2001 - present: Professor (mathematical statistics and discrete mathematics), Graduate School of Education, Hiroshima University [Faculty of School Education, April, 2000 - March, 2003: Faculty of Education, April, 2001 - present: joint appointment]

D.SC. THESIS TITLE:

Reduction of associate classes for block designs and related combinatorial arrangements (Hiroshima University, September, 1974)

PROFESSIONAL AFFILIATION:

The Institute of Mathematical Statistics (USA)(since May 1970)
The Mathematical Society of Japan (since October 1970)
The Japan Statistical Society (since July 1971)
Japanese Society of Applied Statistics
Bernoulli Society for Mathematical Statistics and Probability (since March 1979)
The Biometric Society of Japan (1975 - 1999)
Combinatorial Mathematics Society of Australasia (since January 1981)
Indian Society of Agricultural Statistics (Life Member)
Calcutta Statistical Association (Life Member)
International Statistical Institute (Ordinary Member since January 1987)
The Institute of Combinatorics and its Applications, Canada (Foundation Fellow, August 1990; Council Member, 2001-2003)

WHO'S WHO LISTINGS (incomplete list):

Reference Asia: Asia's Who's Who of Men and Women of Achievement, Rifacimento International
Asian/American Who's Who, Volume First, Rifacimento International
Biography Today, Volume Second, India, 2001.
The Marquis Who's Who in the World, Nineteenth Edition, 2002.

AWARDS:

International Cultural Diploma of Honor (1994, American Biographical Institute, Inc.)
1994 Man of the Year (American Biographical Institute, Inc.)
International Man of the Year 1994/1995 (International Biographical Center, England)

OTHER PROFESSIONAL INFORMATION:

Ph.D Students

1996 X. Duan Robustness and Constructions of Some Balanced Block Designs
1997 Y. Miao Construction of Block Designs with Resolvability or Nested

Structure

Reviewer

Mathematical Reviews (since April 1975)

Zentralblatt für Mathematik (since July 1986)

Book “Characterizations and Analysis of Block Designs” by A. K. Nigam, P. D. Puri and V. K. Gupta, Wiley Eastern

External examiner

Ph.D. Thesis submitted to the Bidhan Chandra Krishi Viswa Vidyalaya, West Bengal, India, 1977.

Promotion evaluation at the University of Waterloo, Canada, 1978.

Ph.D. Thesis submitted to the Tokyo Institute of Technology, 1986.

Ph.D. Thesis submitted to the Indian Institute of Technology, 1987.

Ph.D. Thesis submitted to the University of Tsukuba, 1988.

Ph.D. Thesis submitted to the University of Burdwan, India, 1989.

Ph.D. Thesis submitted to the Indian Statistical Institute, India, 1990.

Proposal evaluation for “Journal of Algebraic Combinatorics”, 1991.

Promotion evaluation at the University of Guelph, Canada, 1991.

Proposal submitted to the Swedish Research Council for Engineering Sciences, 1992.

Promotion evaluation at the Aristotle University of Thessaloniki, Greece, 1994.

Grant Proposal submitted to the Research Grants Council, Hong Kong, 1995 and 2001.

Ph.D. Thesis submitted to the University of Tsukuba, Japan, 1997.

Ph.D. Thesis submitted to the Keio University, Japan, 1999.

Promotion evaluation at the National Technical University of Athens, Greece, 2002.

Members of Council

The Japan Statistical Society (for two years since August 1980; for two years since July 1988; for two years since July 2002)

Japanese Society of Applied Statistics (for two years since March 1982)

Mathematical Society of Japan (April 1, 1999 - March 31, 2001)

Advisory Council for Research and Management of the Institute of Statistical Mathematics, Tokyo (for June 1, 1995 to May 31, 1999)

Member of Research Board of Advisors, The American Biographical Institute, Inc. (since March 1996)

Member of Liaison Committee for Statistics, Science Council of Japan (for three years since 21st October 2000)

Institute of Combinatorics and its Applications, Canada (for three

years since January 2001)

Associate editors

Journal of Japan Statistical Society (for two years since August 1984)

Journal of Statistical Planning and Inference (since October 1991)

Utilitas Mathematica (since March 1992)

Discussiones Mathematicae - Probability and Statistics - (since 2000)

Hiroshima Journal of Mathematics Education (since April 2000 and Editor-in-Chief

for 2002 and 2003)

Sankhyā (since January 2002)

Books (edited)

Theory of Experimental Layouts and Its Applications (in Japanese). RIMS Kokyuroku 404, Kyoto Univ., Kyoto, Japan, 1980.

Combinatorial Structures of Configurations (in Japanese). RIMS Kokyuroku 429, Kyoto Univ., Kyoto, Japan, 1981.

Theoretical Background in Experimental Data Analysis (in Japanese). RIMS Kokyuroku 526, Kyoto Univ., Kyoto, Japan, 1984.

Combinatorial Aspects of Design Experiments: A Volume dedicated to Sumiyasu Yamamoto (edited with Y. Fujikoshi, M. Kuwada and T. Shohoji), North-Holland, Amsterdam, 1993 [Discrete Mathematics Volume 116, Numbers 1-3, 1 June 1993].

A Memorial Volume to Professor Sumiyasu Yamamoto (edited with M. Kuwada) (in Japanese), Takatou Print Media, Japan, 8 November 2000.

Block Designs: A Randomization Approach, Vol. 1: Analysis (with T. Calinski). Lecture Notes in Statistics, Vol. 150, Springer, 2000.

Block Designs: A Randomization Approach, Vol. 1: Design (with T. Calinski). Lecture Notes in Statistics, Vol. 170, Springer, 2003.

Citation of my work

My work has been widely cited in the literature including the following books;

M. Kendall and A. Stuart (1976). The Advanced Theory of Statistics, Volume 3: Design and Analysis, and Time-Series. Third Edition. Charles Griffin, London.

- P. W. M. John (1980). Incomplete Block Designs. Lecture Notes in Statistics Vol. 1, Marcel Dekker, New York.
- T. Beth, D. Jungnickel and H. Lenz (1985). Design Theory. Bibliographisches Institut, Zürich.
- T. Beth, D. Jungnickel and H. Lenz (1999). Design Theory. Volume I, Second edition, Cambridge University Press, Cambridge.
- D. Rasch and G. Herrendörfer (1986). Experimental Design: Sample Size Determination and Block Designs. D. Reidel, Berlin.
- A. Dey (1986). Theory of Block Designs. Wiley Eastern, New Delhi.
- A. P. Street and D. J. Street (1987). Combinatorics of Experimental Design. Oxford Univ. Press, Oxford.
- A. K. Nigam, P. D. Puri and V. K. Gupta (1988). Characterizations and Analysis of Block Designs. Wiley Eastern, New Delhi.
- D. Raghavarao (1988). Constructions and Combinatorial Problems in Design of Experiments. Dover (The first edition was published by John Wiley, New York).
- K. R. Shah and B. K. Sinha (1989). Theory of Optimal Designs. Lecture Notes in Statistics Vol. 54, Springer-Verlag, New York.
- S. Gnot (1991). Estimation of Variance Components in Linear Models (in Polish). Statystyka Matematyczna 3, Wydawnictwa Naukowo-Techniczne, Warsaw.
- A. S. Hedayat and B. K. Sinha (1991). Design and Inference in Finite Population Sampling. John Wiley, New York.
- M. S. Shrikhande and S. S. Sane (1991). Quasi-Symmetric Designs. Cambridge University Press, USA.
- F. Pukelsheim (1993). Optimal Design of Experiments. John Wiley, New York.
- M. Klin, Ch. Rücker, G. Rücker and G. Tinhofer (1995). Algebraic Combinatorics in Mathematical Chemistry I. TUM-M9510, Mathematisches Institut und Institut für Informatik der Technischen Universität München.
- S. Furino, Y. Miao and J. Yin (1996). Frames and Resolvable Designs: Uses, Constructions, and Existence. CRC Press, New York.

Aloke Dey and Rahul Mukerjee (1999). Fractional Factorial Plans. Wiley, New York.

S. Kotz, C. B. Read and D. L. Banks (eds) (1999). Encyclopedia of Statistical Sciences, Update Volume 3. Wiley, New York.

Charles J. Colbourn and Alexander Rosa (1999). Triple Systems. Clarendon Press, Oxford.

A. S. Hedayat, N. J. A. Sloane and John Stufken (1999). Orthogonal Arrays. Springer-Verlag, New York.

E. P. Liski, N. K. Mandal, K. R. Shah and B. K. Sinha (2002). Topics in Optimal Design. Lecture Notes in Statistics 163, Springer-Verlag, New York.

Conferences organized

Design of Experiments and Their Boundary (with S. Yamamoto; Univ. of Tokyo, Dec. 4-6, 1975)

Design of Experiments and Related Topics (Osaka City Univ., Dec. 4-6, 1978)

Theory of Experimental Layouts and Its Applications (Kyoto Univ., July 14- 16, 1980)

Combinatorial Structures of Configurations (Kyoto Univ., March 16-18, 1981)

Theoretical Background in Experimental Data Analysis (Kyoto Univ., June 7-9, 1982)

Experimental Designs and Analysis of Variance (Okayama Univ. of Science, September 1-3, 1988)

Combinatorics in Experimental Designs (International Workshop on Linear Models, Experimental Designs and Related Matrix Theory, Tampere, Finland, August 6-8, 1990)

Optimal Combinatorial Structure in Discrete Mathematical Models (with M. Jimbo; Kyoto Univ., July 14-16, 1992)

Design of Experiments and Discrete Mathematics (Univ. of Tokyo, Nov. 8-9, 1992)

International Conference "Statistics in Industry, Science and Technology" (Univ. of Tokyo, July 11-13, 1994; as a member of Local Organizing Committee)

Statistical Inference on design of experiments and its applications (Univ. of Gifu, Nov. 17-19, 1994)

Supervisory organizer for seven conferences on Combinatorics, Codes, Cryptography, Discrete Designs, Multivariate Inference and Stochastic Process, Design of Experiments, Earth and Environmental Science, Medical and Biological Data, in 1995/1996.

Designs of experiments with the development of related methods and applications (Hiroshima Univ., Nov.13-15, 2000)

One invited session on design of experiments in the Fourth Biennial International Conference on Statistics, Probability and Related Areas, June 14-16, 2002, DeKalb, IL, USA.

Mathematical structures on experimental designs and their related areas: Theory and Applications (Hamamatsu, Nov. 7-9, 2002)