Schedule of Events

Friday, April 15, 2011

Georgia Conference Center Hotel

4:00pm to 4:30pm – Refreshments in the Kellogg Concourse

4:30pm to 5:30pm – Bradley Lecture by Professor Peter McCullagh in Meeting Room Y/Z

5:30pm – Happy Hour in the Magnolia Ballroom (cash bar available until 6:30pm)

6:00pm – Dinner and after-dinner talk in the Magnolia Ballroom
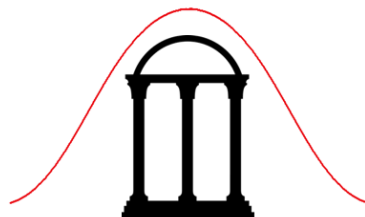
Saturday, April 16, 2011

11:00am to 3:00pm – Bradley Spring Picnic at Memorial Park, Shelter # 1

Biographical Sketch

Dr. McCullagh is a Professor of Statistics at the University of Chicago. He received his Ph.D. from the Imperial College, London before joining the University of Chicago in 1977. Subsequently, he taught at the University of British Columbia, and worked at the Fred Hutchinson Cancer Research Center and AT&T Bell labs. In 1985, he returned to the University of Chicago as a Professor. In 1990, he won the prestigious COPSS Presidents' Award. He is a Fellow of the Institute of Mathematical Statistics, the American Statistical Association, the American Association for the Advancement of Science, the Royal Society, and the American Academy of Arts and Sciences. He has published over 100 articles in prestigious journals and is the co-author of the famous book, 'Generalized Linear Models', with John Nelder.

http://www.stat.uchicago.edu/~pmcc/

THE UNIVERSITY OF GEORGIA

DEPARTMENT OF STATISTICS

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THE BRADLEY LECTURE

Sponsored by

The Department of Statistics and

The Statistics Club

Friday, April 15, 2011

Georgia Center for Continuing Education Conference Center University of Georgia

This year's distinguished guest speaker is

Dr. Peter McCullagh,
John D. MacArthur Distinguished Service Professor, Department of Statistics and the College, University of Chicago

RSVP required for Lecture and Dinner

Bradley Lecture Overview

We are proud to announce the 19th Annual Bradley Lecture sponsored by the Department of Statistics and the Statistics Club, University of Georgia. The event honors former faculty member Dr. Ralph A. Bradley, who was born on November 28, 1923 in Smith Falls, Ontario, Canada, and who grew up in the village of Wellington. After graduating from Queen's University in 1944 with an honors degree in mathematics and physics, he served in the Canadian Army from 1944 to 1945, and afterwards earned his Masters of Arts degree in 1946. He received his PhD in 1949 at the University of North Carolina Chapel Hill, and went on to a very distinguished career. He was founder of the Department of Statistics at Florida State University and served as its chair from 1959 to 1978. He joined UGA in 1982.

Dr. Ralph Bradley made many contributions to the field of statistics as a researcher in design of experiments, nonparametric statistics, sequential analysis and multivariate analysis. He also had an exemplary record of service to the profession of statistics as a member of ASA, IMS, ISI, as well as by serving as president of ASA in 1981.

The Bradley Lecture provides an opportunity for UGA graduate students to interact with the speaker, who is normally an eminent statistician of their choice. After the seminar in the afternoon, the speaker gives an after-dinner presentation and often stays for the next day's spring picnic to mingle with faculty and students.

We hope you'll join us for what should be an informative and exciting event!

John Stufken, Ph.D.
Professor and Head
Department of Statistics

The Lecture

The 2011 Bradley Lecture will be presented by Dr. Peter McCullagh, John D. MacArthur Distinguished Professor at the University of Chicago. The lecture will be held at the Georgia Center for Continuing Education in Meeting Room Y/Z on April 15, 2011 following the refreshment break.

Title: "Statistical models for distance matrices"

Outline: This lecture is concerned with probability models for distance matrices, which are non-negative symmetric matrices of negative type. Several families of distributions are considered, including Wishart distance matrices and Mahalanobis distance matrices, all derived ultimately from Gaussian matrices by marginalization. The likelihood functions are obtained in a relatively straightforward manner without an explicit representation of the joint density. Some elementary applications are described, including maximum-likelihood estimation of phylogenetic trees, and maximum likelihood estimation of genealogical trees. If time permits, I will discuss various ways in which distance models may be used for the analysis of exchangeable arrays, such as micro-arrays, with rows indexed by individuals and columns by genes or sites.

Dinner & After-Dinner Talk

Title: "Bacteria, fruit flies and statistics"

Outline: This talk centers on the implications of a recent PNAS paper by Sharon et al on the role of commensal bacteria in the sexual behaviour of fruit flies.

The Picnic

Join us for an enjoyable afternoon BBQ in a great setting. Mingle with the guest speaker, faculty members, and graduate students, while watching the students show off their "skills" in outdoor grilling! The picnic will be held on April 16, 2011, from 11:00am to 3:00pm at nearby Memorial Park in Athens, Georgia. Visit Memorial Park's webpage for address information:

http://www.accleisureservices.com/memorialpark.shtml

Please RSVP if you plan to attend either or both events below:

-Bradley Lecture (w/refreshments)
-Bradley Dinner Buffet (w/after-dinner talk). The dinner buffet will feature meat entrees along with vegetarian lasagna.
Dinner Buffet: $20 per faculty member or visitor; $10 per student

Cash and checks payable to "University of Georgia" are accepted.

Please RSVP Chris O'Neal at cricket3@uga.edu. If you have questions, please call Tim Cheek or Julie Davis at 706.542.5232.