JOSEPH GLOVER

Associate Provost for Academic Affairs   office (352) 392-4792
University of Florida   fax (352) 392-5155
238 Tigert Hall   home (352) 376-8280
PO Box 113175   email: jglover@aa.ufl.edu
Gainesville FL 32611-3175

SUMMARY OF PROFESSIONAL EXPERIENCE
UNIVERSITY OF FLORIDA
- Associate Provost for Academic Affairs, 2001-present
- Associate Dean for Faculty Affairs, College of Liberal Arts and Sciences, 1998-2001
- Chair, Department of Mathematics, 1993-98
- Associate Chair for Graduate Studies, 1991-93 and 1986-88
- Professor of Mathematics (1987-present), Associate Professor (1984-87), Assistant Professor (1982-84)
- Visiting Professor, Universite de Paris V, Fall 1989; University of California, San Diego, Spring 1990

UNIVERSITY OF ROCHESTER
- Assistant Professor of Mathematics, 1979-82

UNIVERSITY OF CALIFORNIA, BERKELEY
- Instructor, Department of Statistics, 1978-79

POSTDOCTORAL EXPERIENCE
- NSF Postdoctoral Research Fellowship in the Mathematical Sciences 1982-83 at the University of California, San Diego
- NSF-CNRS Fellowship 1980-81 at Universite de Grenoble II

EDUCATION
- Ph.D. in Mathematics, 1978, University of California, San Diego
- M.A. in Mathematics, 1977, University of California, San Diego
- B.A. in Mathematics, 1974, Cornell University

ADMINISTRATIVE EXPERIENCE
ASSOCIATE PROVOST FOR ACADEMIC AFFAIRS, 2001-present: Current major areas of responsibility include:
- Development and Implementation of the University Strategic Plan.
  - ¬ Chaired 18 member Task Force on the Future of the University of Florida, January-May 2002
  - ¬ Authored Task Force Report to the President
  - ¬ At President Young's request, co-authored with him "The University of Florida Strategic Plan", August 2002

- Tenure and Promotion – coordinate activities of Academic Personnel Board that reviews all tenure and promotion cases for Provost and President; revise and interpret tenure and promotion policies annually; advise faculty and deans
- Chair of Enrollment Management Committee – set policy for admissions, manage course offerings, and monitor and control the flow of all students through the university
- Chair of Classification and Compensation Workgroup – revised University classification and compensation system. Authored sections of the Florida Administrative Code implementing the system
- Allocation of University space
- New World School of the Arts Executive Board member
- Performing Arts Advisory Committee
- Assist Provost in college performance and planning reviews, and in allocating college budgets
- State University System Accountability Task Force
- Faculty Senate: Constitution Committee, Joint Committee on Tenure, Joint Task Force on Shared Governance
- Sabbaticals, University Teaching and Advising Awards, New Chair and Faculty Orientations, Grievances, etc.
- Articulation with community colleges
- Inauguration Committee for President Machen

ASSOCIATE DEAN FOR FACULTY AFFAIRS, 1998-2001: Managerial responsibility for most matters involving 600 faculty and 1400 graduate students in the College of Liberal Arts and Sciences. Major areas of responsibility included:
- Faculty –
  - ¬ Oversight of tenure and promotion; direct activities of College Tenure and Promotion committee and advise the Dean on approval of each case
  - ¬ Chair and faculty orientation and support
  - ¬ Sabbaticals and Leaves
  - ¬ Annual activity reports and faculty evaluations
  - ¬ Interviews of candidates for faculty positions
  - ¬ Grievances
  - ¬ Direct activities of the following committees: Humanities Scholarship Enhancement, Faculty Travel, Teaching and Advising Awards, Salary Performance Plan Pay Committee
- Graduate Students – Responsible for all aspects of graduate study in the College
  - ¬ Direct activities of Graduate Committee, Graduate Travel Committee, Dissertation Fellowship Committee
  - ¬ Administer and direct NSF AGEP grant to recruit and train underrepresented minorities at the doctoral level in science and engineering for careers in academia

- ¬ Member, Provost's Graduate and Professional Admissions Task Force
- Undergraduate Students and University Responsibilities
    - ¬ Responsible for preparing and implementing the College summer budget
    - ¬ Member, University Enrollment Management Committee and responsible for enrollment management in the College
    - ¬ Responsible for UF Achievement in Mainstreaming (AIM) Program to aid students from underrepresented groups as they enter UF
    - ¬ Responsible for investigating and resolving complaints of sexual harassment in the College

CHAIR OF MATHEMATICS DEPARTMENT, 1993-98: Managerial responsibility for a department of 50 faculty, 70 graduate students, and 10 support staff members. Notable accomplishments:
- Unifying department in one building; planning and renovations of the building
- Revitalizing the Center for Applied Mathematics
- Increased external funding. In 1993, the department garnered about $330K per year. In my last two years as Chair, the department received $539K (1996-97) and $506K (1997-98)
- Supervised creation of a distance education precalculus course

ASSOCIATE CHAIR FOR GRADUATE STUDIES, 1991-93 and 1986-88: Responsible for admission and progress of graduate students in the department.

RESEARCH
RESEARCH INTERESTS, GRANTS, AND PH.D. STUDENTS
- Areas of expertise: Markov processes and potential theory, stochastic analysis, and mathematical finance
- Principal Investigator on grants from the following agencies:
    - ¬ National Science Foundation 1979-92
    - ¬ Air Force Office of Scientific Research 1985-88
    - ¬ National Security Agency 1989-96 and 2001-02
- Five graduate students have completed Ph.D. dissertations in Mathematics at the University of Florida under my direction

PROFESSIONAL ACTIVITIES
- Associate Editor, Journal of Theoretical Probability, 1996-present
- Managing Editor, Seminar on Stochastic Processes series, 1986-89
- Chair of Organizing Committee for 1986 American Mathematical Society conference "Time Reversal of Markov Processes"
- Member, NSF Probability proposal screening panel 1997
- Member, NSF Mathematical Sciences Research Institute proposal panel 2004
- Co-organizer of following conferences:

- ¬ AMS Special Session on Probability 1987
- ¬ National Seminar on Stochastic Processes 1988
- ¬ AMS Special Session on Probability 1991
- ¬ National Seminar on Stochastic Processes 1995
- ¬ AMS Southeastern Sectional Meeting 1999
- ¬ National Seminar on Stochastic Processes 2001

TEACHING

- Over 25 years experience in teaching mathematics at all undergraduate and graduate levels, including the teaching of large lecture classes
- Initiated creation of a Mathematics/Statistics comajor program, allowing graduate students to "straddle" the two departments in Ph.D. programs
- Created a graduate course in the Mathematics of Financial Derivatives in 1997 and 1999.
- Teaching Awards:
  - ¬ Mentoring award from McKnight Foundation 1995
  - ¬ UF Teaching Incentive Program 1994
  - ¬ College of Liberal Arts and Sciences Award for Outstanding Undergraduate Teaching 1992

REFEREED PUBLICATIONS

BOOKS - MANAGING EDITOR OF:

1. Seminar on Stochastic Processes, 1985. Birkhauser, Boston (1986)
2. Seminar on Stochastic Processes, 1986. Birkhauser, Boston (1987)
3. Seminar on Stochastic Processes, 1987. Birkhauser, Boston (1988)
4. Seminar on Stochastic Processes, 1988. Birkhauser, Boston (1989)

ARTICLES:

1. Note on the Ray-Knight compactification. Annals of Probability **7** (1979) 543-546
2. Left continuous moderate Markov processes (with K. L. Chung). Zeitschrift fur Wahrscheinlichkeitstheorie **49** (1979) 237-248
3. Compactifications for dual processes. Ann. Probab. **8** (1980) 1119-1134
4. Raw time changes of Markov processes. Ann. Probab. **9** (1981) 90-102
5. Intrinsically homogeneous sets, splitting times, and the big shift. Zeit. Wahrschein. **56** (1981) 133-144
6. Applications of raw time changes to Markov processes. Ann. Probab. **9** (1981) 1019-1029
7. Energy and the maximum principle for nonsymmetric Hunt processes. Theory of Probability **26** (1981) 757-768

8. Markov processes with identical last exit distributions. Zeit. Wahrschein. **59** (1982) 67-75
9. Representing last exit potentials as potentials of measures. Zeit. Wahrschein. **61** (1982) 17-30
10. An extension of Motoo's theorem. Seminaire de Probabilites XVI, Lect. Notes in Math. **920** (1982) 515-518
11. Markov processes with identical hitting probabilities. Trans. AMS **275** (1983) 131-141
12. Topics in probabilistic potential theory. Seminar on Stochastic Processes 1982. Birkhauser (1983) 195-202
13. Identifying Markov processes up to time change. Seminar on Stochastic Processes 1982. Birkhauser (1983) 171-194
14. Discontinuous time changes of semiregenerative processes and balayage theorems. Zeit. Wahrschein. **65** (1983) 145-160
15. Markov processes with identical excessive measures (with R. K. Getoor). Mathematische Zeitschrift **184** (1983) 287-300
16. Riesz decompositions in Markov process theory (with R. K. Getoor). Trans. AMS **285** (1984) 107-132
17. Quasi-stationary distributions, eigenmeasures and eigenfunctions of Markov processes. Seminar on Stochastic Processes 1984. Birkhauser (1986) 71-98
18. Mean exit times of Markov processes (with M. Liao). Seminar on Stochastic Processes 1984. Birkhauser (1986) 99-108
19. Solving semilinear partial differential equations with probabilistic potential theory (with P.J. McKenna). Trans. AMS **290** (1985) 665-681
20. Hunt's hypothesis (H) and Getoor's conjecture (with M. Rao). Ann. Probab. **14** (1986) 1085-1087
21. Constructing Markov processes with random times of birth and death (with R. K. Getoor). Seminar on Stochastic Processes 1986. Birkhauser (1987) 35-70
22. Positive solutions of systems of semilinear partial differential equations: the pendulum method. Trans. AMS **301** (1987) 327-342
23. Capacities of symmetric Markov processes (with W. Hansen and M. Rao). Seminar on Stochastic Processes 1987. Birkhauser (1988) 159-170
24. Probability and differential equations. Proc. of AMS Conference on Geometry of Random Motion. Contemporary Mathematics **73** (1988) 87-94
25. Book review of "Potential Theory: an Analytic and Probabilistic Approach to Balayage" by J. Bliedtner and W. Hansen. Bulletin of the AMS **17** (1987) 343-345
26. Symmetrization of Markov processes and potentials (with M. Rao). J. Theoretical Probab. **1** (1988) 305-325
27. Nonsymmetric Markov processes and hypothesis (H) (with M. Rao). J. Theoretical Probab. **1** (1988) 371-380.

28. Existence and stability of large scale nonlinear oscillations in suspension bridges (with A.C. Lazer and P.J. McKenna). J. of Applied Mathematics & Physics **40** (1989) 172-200

29. Symmetries and functions of Markov processes (with J. Mitro). Ann. Probab. **18** (1990) 655-668

30. Symmetries of excessive measures of Markov processes. Math. Zeitschrift **204** (1990) 1-11

31. Symmetry groups and translation-invariant representations of Markov processes. Ann. Probab. **19** (1991) 562-586

32. Potential densities of symmetric Levy processes (with M. Rao). Seminar on Stochastic Processes 1991. Birkhauser (1992) 53-58

33. Multiplicative symmetry groups of Markov processes (with R. Song). Seminar on Stochastic Processes 1990. Birkhauser (1991) 193-206

34. Symmetry groups of Markov processes and the diagonal principle. J. Theoretical Probab. **4** (1991) 417-440

35. Markov functions. Annales de l'Institut Henri Poincare **27** (1991) 221-238

36. Book review of "General Theory of Markov Processes" by M. J. Sharpe. Ann. Probab. **4** (1990) 1823-1827

37. Book review of "General Theory of Markov Processes" by M. J. Sharpe. Metrika **37** (1990) 198

38. Applications of symmetry groups in Markov processes. Proc. Of Twentieth Oberwolfach Conference on Probability on Groups. Plenum (1991) 155-168

39. The gauge theorem for a class of additive functionals of zero energy (with M. Rao and R. Song). Prob. Theory and Related Fields **97** (1993) 195-210

40. Generalized Schrodinger semigroups (with M. Rao and R. Song). Seminar on Stochastic Processes 1992. Birkhauser (1993) 143-172

41. Quadratic forms corresponding to the generalized Schrodinger semigroups (with M. Rao, H. Sikic and R. Song). J. Functional Analysis **125** (1994) 358-378

42. Inversions and reflecting Brownian motion (with M. Rao). Classical and Modern Potential Theory and Applications (NATO ASI Series). Kluwer (1994) 199-216

43. Gamma potentials (with M. Rao, H. Sikic, and R. Song). Classical and Modern Potential Theory and Applications (NATO ASI Series). Kluwer (1994) 199-216

44. Constructing reflecting Brownian motion using a group of inversions. Probability Measures on Groups and Related Structures. World Scientific (1995) 141-146

45. Condenser potentials (with M. Rao). Asterisque **236** (1996) 125-132

46. Symmetry groups in Markov processes and potential theory. Functional Analysis V. University of Aarhus Various Publication Series **44** (1998) 19-34

47. On the potential theory of raw time changes. Functional Analysis VI.
     University of Aarhus Various Publication Series **45** (2000) 19-26.

48. Harmonic functions of subordinate killed Brownian Motion (with Z. Pop-
     Stojanovic, M. Rao, H. Sikic, R. Song, and Z. Vondracek) J. of
     Functional Analysis (2004) Accepted for publication.