

HASAN COŞKUN, PH.D.
Associate Professor
Department of Mathematics
Texas A&M University-Commerce

CONTACT INFORMATION

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EDUCATION

- Ph.D. in Mathematics, December 2003
Texas A&M University, College Station TX, USA

ACADEMIC EXPERIENCE

- Associate Professor, Texas A&M University-Commerce, Fall 2011-current
- Assistant Professor, Texas A&M University-Commerce, Fall 2004-Fall 2011
- Visiting (Ad-Interim) Assistant Professor, Texas A&M University-Commerce, Fall 2003-Spring 2004
- Teaching Assistant, Research Fellow or Instructor, Texas A&M University, Fall 1996-Spring 2003

RESEARCH INTERESTS

- Multiple analogues of special numbers
- Elliptic hypergeometric series identities associated to root systems; multiple q -series identities
- Speech processing; mathematical biology

SELECTED JOURNAL PUBLICATIONS

ALGEBRAIC COMBINATORICS:

- H. Coskun, *Multiple Stirling number identities*, submitted, American Journal of Mathematics, (arXiv:1212.6573v1).
- H. Coskun, *On certain families of multiple polygonal numbers*, in preparation.

- H. Coskun, *Multiple Bernoulli numbers and related probability distributions*, in preparation, *Advances in Applied Math.*
- H. Coskun, *Multiple Fibonacci numbers and their properties*, in preparation, *Discrete Mathematics*.
- H. Coskun, *A multilateral Bailey Lemma and multiple Andrews-Gordon Identities*, *The Ramanujan Journal*, 26 (2011) 2, 229-250, doi: 10.1007/s11139-010-9275-9, Epub: 09/21/2010, (arXiv:1002.0183v1).
- H. Coskun, *Multiple analogues of binomial coefficients and families of related special numbers*, *Discrete Mathematics*, 310 (2010) 17, 2280-2298, (arXiv:1001.3466v1).
- H. Coskun, *Multilateral basic hypergeometric summation identities and hyperoctahedral group symmetries*, *Advances and Applications in Discrete Mathematics*, Volume 5 (2010) 2, 145-157, (arXiv:1002.4468).
- H. Coskun *An Elliptic BC_n Bailey Lemma, Multiple Rogers-Ramanujan Identities and Euler's Pentagonal Number Theorems*, *AMS Transactions*, 360 (2008), 5397-5433, (arXiv:math/0605653).
- H. Coskun and R. Gustafson, *The well-poised Macdonald functions W_λ and Jackson coefficients ω_λ on BC_n* , *Jack, Hall-Littlewood and Macdonald Polynomials*, September 2003, ICMS, *AMS Contemporary Mathematics*, Volume 417 (2006), 127-155, (arXiv:math/0412153).

MATHEMATICAL BIOLOGY:

- H. Coskun, N. Yildirim and H. Coskun, *Statistical computing applications in optimal parameter estimation of biological system models*, in preparation, *Applied Mathematics and Computation*.
- H. Coskun and H. Coskun, *Cell physician: Reading cell motion. A mathematical diagnostic technique through analysis of single cell motion*, *Bulletin of Mathematical Biology*, Volume 73, Issue 3 (2011), pp. 658. (author's copy available at personal website.)
- H. Coskun, *A complete syllable dictionary for *Serinus Canarius**, submitted, *Ecological Informatics*. (preprint available at personal website.)

OTHER PUBLICATIONS

- H. Coskun, *Inverse scattering and spectral problems in human speech*, *Advanced Research Program Final Technical Report*, Texas Higher Education Coordinating Board, Project Number: 003656-0046-2007, accepted, 2011, (abstract available at personal website.)
- H. Coskun, *Inverse scattering and spectral problems in human speech*, *Advanced Research Program Technical Progress Report*, Texas Higher Education Coordinating Board, Project Number: 003656-0046-2007, accepted, 2010, (abstract available at personal website.)

- H. Coskun, *Inverse scattering and spectral problems in human speech*, Advanced Research Program Technical Progress Report, Texas Higher Education Coordinating Board, Project Number: 003656-0046-2007, accepted, 2009, (abstract available at personal website.)
- H. Coskun, *Fourier Analysis and Wavelets*, Lecture Notes, unpublished, 2009.
- H. Coskun, *Mathematical Statistics*, Lecture Notes, unpublished, 2010.
- H. Coskun, *A BC_n Bailey Lemma and Generalizations of Rogers-Ramanujan Identities*, Ph.D. Thesis, Texas A&M University, College Station, TX, December 2003.

RECENT GRANT AWARDS

- *Travel grant support*, National Science Foundation (NSF) via Penn State, *Multiple special numbers and combinatorial interpretations*, November 5-7, 2012. \$800. Role: Invited Speaker at the Ramanujan 125 Conference at the UF, Gainesville.
- *Faculty Development Grant*, Provost's Office, Texas A&M University-Commerce, Fall 2012, \$700.
- *Inverse scattering and spectral problems in human speech*, (jointly with T. Aktosun), Advanced Research Program (ARP) grant, Texas Higher Education Coordinating Board, 2008-2011, \$108,000. Role: Co-PI.

PREVIOUS GRANT AWARDS AND APPLICATIONS

- *The theory of multiple special numbers*, National Science Foundation (NSF), Spring 2012-Spring 2014, \$195,258. Role: PI.
- *The theory of multiple numbers*, National Science Foundation (NSF), Fall 2011-Fall 2012, \$97,629. Role: PI.
- *Computational Science Ph.D. Program Application*, joint Federal Initiatives 2012 Proposal, Texas A&M University System, pending, \$1,750,022. Role: Core faculty member in Mathematics.
- *Speech Processing and Applications*, joint Federal Initiatives 2012 Proposal, Texas A&M University System, Fall 2012-Fall 2013, \$357,300. Role: PI.
- *Quantitative diagnostic and prognostic techniques through single cell motility analysis*, joint NSF proposal, submitted for a period of 3 years between 2010-2013, \$722,667, Role: Co-PI.
- *Computational thinking-based infrastructure to support collaboration and cooperation among highly security sensitive and vulnerable areas to boost the construction of highly secure cyber environment for electronic commerce*, joint Federal Initiative 2010 Proposal, \$2,524,760. Role: Co-PI

- *Cancer cell characterization and classification through single cell motility analysis*, joint NIH proposal, submitted for a period of 5 years between 2010-2015, \$3,368,079. Role: PI.
- *Identification of region of interests in high dimensional histological slides*, joint Advanced Research Program 2010 preproposal, submitted to Texas Higher Education Coordinating Board (THECB), 2010-2011, \$97,027. Role: PI.
- *Faculty Development Grant Application*, submitted to the Office of the Dean of College of Arts and Sciences, Fall 2009, \$700.
- *Applications of contemporary mathematics to scientific and engineering research*, joint Federal Initiative 2010 Proposal, submitted to the Provost's Office, 2011-2015, \$1,862,137, Role: PI.
- *Faculty Development Grant*, awarded by Office of the Dean of College of Arts and Sciences, Spring 2009, \$570.
- *Applications of contemporary mathematics to scientific and engineering research*, joint Interdisciplinary Research Incentive Preproposal, Office of the Dean of Graduate Studies and Research, 2009-2010, \$30,000. Role: Collaborating PI.
- *Computational mathematics*, Interdisciplinary Research Incentive Proposal for Head Start, Office of the Dean of Graduate Studies and Research, Spring 09, \$20,000. Role: PI.
- *Faculty Development Grant*, awarded by Office of the Dean of College of Arts and Sciences, Fall 2008, \$650.
- *Statistical analysis of calcium dependent gene expression*, joint Integrated Research Competition Proposal Office of the Dean of Graduate Studies and Research, 2008-2009, \$30,000. Role: PI.
- *Wavelet applications in the analysis of human speech*, Faculty Research Enhancement Proposal, 2008-2009, \$29,225.60.
- *Continuous Hopfield Neural Networks for Nonlinear Integer Programming Problems*, joint Advanced Research Program preproposal, submitted to Texas Higher Education Coordinating Board, 2008-2009, \$108,000. Role: PI.
- *Multiple q -series identities*, submitted to Algebra, Number Theory and Combinatorics (ANTC) Program, Division of Mathematical Sciences (DMS # 0801224), National Science Foundation (NSF), 2008-2011, \$219,632. Role: PI.
- *Faculty Research Enhancement Grant*, awarded by the Graduate School, Texas A&M-Commerce, August 2007 through August 2008, \$12,674. Role: PI.
- *Faculty mini-grant for Research*, submitted to the Office of Graduate Studies and Research at Texas A&M University-Commerce in Spring 2007. Role: PI.
- *Faculty Special Enhancement Grant*, awarded by the Graduate School, Texas A&M-Commerce, Spring 2007. Role: PI.

- *Dean's Teaching Initiative Grant* to organize a Mini-Course in Biomathematics in Spring 2007, submitted to the Office of the Dean of Arts and Sciences at Texas A&M-Commerce. Role: PI.
- *An NSF ROA grant application for visiting researcher position*, submitted to NSF, 2006-2007. Role: Research Associate.
- *An NSF ROA summer grant application for visiting researcher position*, submitted to NSF, Summer 2006. Role: Research Associate.
- *Summer Undergraduate Research Program*, submitted to the Graduate School, Texas A&M-Commerce, Summer 2006.
- *Faculty Special Enhancement Grant for the Biomathematics Research Group*, submitted to Graduate School, Texas A&M-Commerce, Fall 2006. Role: PI.
- Undergraduate Research Grant awarded by the Office of Graduate Studies and Research at Texas A&M University-Commerce in Summer 2005. The project title: *Comparison of various multivariate interpolation techniques*. Role: PI.
- Faculty Advancement Grants awarded by the Office of the Dean of Arts and Sciences at Texas A&M University-Commerce in Fall 2004, Spring 2005, Fall 2005 and Fall 2006. Role(s): PI.
- *A construction method for 3D representation of objects via spline interpolation*, submitted to L3 ComCept, May 2005. Role: PI.
- *Theory and applications of generalized hypergeometric series*, submitted jointly to Australian Research Council, Fall 2004. Role: Research Associate.
- *Faculty mini-grant for Research* awarded by the Office of Graduate Studies and Research at Texas A&M University-Commerce in Spring 2004, \$600. Role: PI.

EDITORIAL BOARDS

- Journal of Algebra, Number Theory and Applications
- Advances and Applications in Discrete Mathematics
- Far East Journal of Mathematical Sciences (FJMS)
- Far East Journal of Applied Mathematics
- Surveys in Mathematics and Mathematical Sciences

SCHOLARSHIPS AND AWARDS

- Junior Faculty Research Award presented by the Office of Graduate Studies and Research, Texas A&M University-Commerce, nominated in 2007.
- NSF VIGRE Fellowships through Mathematics Department at Texas A&M University in Summer 2001, Fall 2001, and Spring 2002.

- Graduate education scholarship by Afyon Kocatepe University in Turkey between Spring 94-Fall 99.
- Undergraduate scholarship by Turkish Education Association (TEV) in 1988-1989.
- Ranked in the top 100s among over a million high-school graduates in the nationwide University Entrance Exam (an equivalent of SAT test in the US) in Turkey in the year 1987.

STUDENTS ADVISED

- Graduate committee member, Ph.D. dissertation title: "Structure in Operator Algebras", Mathematics, University of Houston, Spring 2011.
- Graduate committee chair, master's thesis title: "Numerical solutions for forward and inverse problems in a vocal tract model", Mathematics, Texas A&M University-Commerce, Fall 2009-Spring 2011.
- Supervisor, undergraduate research project, project title: "Generalized binomial coefficients and applications", Mathematics, Texas A&M University-Commerce, Fall 2009.
- Graduate committee chair, master's thesis title: "Numerical solutions for the generalized Schrodinger equation", Mathematics, Texas A&M University-Commerce, Spring 2009.
- Supervisor, undergraduate research project, project title: "Mathematica implementation of numerical solution methods for ordinary and partial differential equations", Mathematics, Texas A&M University-Commerce, Spring 2009.
- Graduate committee chair, master's thesis title: "Quantitative analysis of canary (*Canarius serinus*) vocal repertoire", Mathematics, Texas A&M University-Commerce, Spring 2008-current.
- Graduate committee chair, master's paper: "A survey of International Mathematics Olimpiad (IMO) problems and their solutions", Mathematics, Texas A&M University-Commerce, Fall 2008.
- Graduate committee chair, master's paper: "A quantitative analysis of continuous models in population dynamics", Mathematics, Texas A&M University-Commerce, completed in Spring 2008.
- Graduate committee member, Ph.D. dissertation title: "Negotiating Meaning in Context: How First Year Composition Students Make Sense of Writing Assignments", Literature & Languages Department, Texas A&M University-Commerce, Summer 2007.
- Graduate committee chair, master's thesis title: "Computer-aided proofs of multiple q -series identities", Mathematics, Texas A&M-Commerce, Spring 2007.

- Graduate committee chair, master's paper: "A quantitative analysis of discrete models in population biology", Mathematics, Texas A&M University-Commerce, Fall 2006-Spring 2007.
- Graduate committee member, dissertation title: "The Impact of Science Based Informational Texts and Expository Retellings on the Reading Comprehension Achievement and Motivation of Fourth and Fifth Graders", Education, Texas A&M University-Commerce, Fall 2006.
- Graduate committee member, master's paper: "Bivariate Extreme Value Theory", Mathematics, Texas A&M-Commerce, Spring 2006.
- Graduate committee member, dissertation title: "Investigating the factors that determine the decision made by graduate students in choosing a graduate institution to pursue their studies", Mathematics Education, Texas A&M University-Commerce, Fall 2005-Fall 2006.
- Graduate committee member, master's paper: "A survey of construction methods for magic squares and curious conclusion with elliptic curves", Mathematics, Texas A&M University-Commerce, Summer 2005.
- Supervisor, undergraduate research project, Summer of Math and Science, Summer 2005, Texas A&M University-Commerce. Project title: "A comparison of various multivariate interpolation techniques for computational complexity and precision".

COURSES TAUGHT

Texas A&M University-Commerce (Fall 2003-present)

Markers: T: traditional lecture style (default), W: web-based/online, DE: distance education. The technology component in each course is indicated.

- UNDERGRADUATE COURSES:
 - Business Math I and II (Excel)
 - College Algebra (TI-83, eCollege)
 - Precalculus (TI-83, eCollege)
 - Calculus I, II and III (TI-83, Mathematica, eCollege)
 - Mathematical Technologies (W, Mathematica, MATLAB, Geometer Sketchpad)
 - Introduction to Abstract Algebra (eCollege)
 - Linear Algebra (Mathematica, eCollege)
 - Discrete Mathematics (eCollege)
 - Introduction to Mathematical Statistics (Mathematica, eCollege)
 - Differential Equations (Mathematica, eCollege)
 - Interdisciplinary Research Exp: Numerical Analysis (Mathematica)
 - Introduction to Analysis (Mathematica, eCollege)
 - Functions of a Complex Variable (Mathematica, eCollege)
- GRADUATE COURSES:
 - Advanced Calculus I and II (Mathematica, eCollege)

- Complex Variables I and II (Mathematica, eCollege)
- Mathematical Statistics I and II (R, Mathematica, eCollege)
- Abstract Algebra I and II
- Methods of Applied Mathematics (T & DE, Mathematica, eCollege)
- Fundamental Techniques in Mathematical Economics (Mathematica)
- Differential Equations and Applications (Mathematica, eCollege)
- Theory of Numbers (T & DE, Mathematica, eCollege)
- Optimization (Mathematica, eCollege)
- Foundations of Geometry (Geometer's Sketchpad, eCollege)
- Fourier Analysis and Wavelets (Mathematica, eCollege)
- Probability and Statistics (Mathematica, eCollege)
- Stat Computing and Design of Exp (T & DE, Mathematica, eCollege)
- Dynamical Systems (Mathematica, eCollege)
- Numerical Solutions to PDEs (Mathematica, eCollege)
- Numerical Analysis (Mathematica, MATLAB, eCollege)
- Multiple Special Numbers (Independent Study, Mathematica, L^AT_EX)
- Thesis (Mathematica, MATLAB, L^AT_EX)
- Research Literature & Techniques (Mathematica, MATLAB, L^AT_EX)

SYNERGISTIC ACTIVITIES

- Quality Enhancement Plan (QEP) committee member, appointed, the University SACS Accreditation Reaffirmation Steering Committee, Texas A&M University-Commerce, May 2012-current.
- Evaluation Panelist, Department of Defense supported American Society for Engineering Education Scholarship Program, "Science, Mathematics and Research for Transformation" (SMART), 2007-current.
- Reviewer & Referee: Mathematical Reviews (American Mathematical Society), Applied Mathematics Letters (Elsevier), The International Journal of Computers & Geosciences (Elsevier), Central European Journal of Mathematics (Versita & Springer Verlag), Mathematical & Computer Modeling (Elsevier), Symmetry, Integrability and Geometry: Methods and Applications (SIGMA), Axioms Journal, Prentice Hall Higher Education (Book Review).
- Was featured by the IT & DE department at A&M-Commerce on the October 2010 issue of the Faculty Spotlight for integration of technology in the classroom instruction.
- Was featured by various science media channels including Science Daily for the results of the joint cancer cell research project.
- Scientific Committee Member, International Conference of Mathematical Sciences, Maltepe University, Istanbul, Turkey, 2009.
- European Commission Project Evaluator/Review Expert and Monitor Expert in Mathematics, Sixth Framework Programme FP6, 2006 and Seventh Framework Programme FP7, 2007.

- Graduate Council member, elected, Representative of College of Arts and Science, Graduate Faculty, Research and Instruction Subcommittee, Texas A&M University-Commerce, Fall 2005-Fall 2008.

PRESENTATIONS AND INVITED TALKS

- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2012*, 60 minutes lecture. Title: "Number of ways to cycle on Mars."
- *Ramanujan 125 Conference, University of Florida, Gainesville, Fall 2012*, invited speech, November 5-7, 2012. Title: "Multiple special numbers and combinatorial interpretations."
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Spring 2012*, 60 minutes lecture. Title: "Rabbit reproduction in the outer space."
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2011*, 60 minutes lecture. Title: "Modern mathematical technologies for education and research."
- *Digi-Faire Conference, Texas A&M University-Commerce, Commerce, TX, Spring 2011*, invited speech, March 22, 2011. Title: "Mathematical Technologies."
- *q-Series 2011: An International Conference on q-Series, Partitions and Special Functions*, invited speech (canceled), Georgia Southern University, March 14-16, 2011. Title: "Multiple special numbers and applications."
- *Algebra Seminar, Texas A&M University, College Station, TX*, invited speech (canceled), 60 minutes talk, February 2011. Title: "Combinatorial interpretation of multiple special numbers."
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2010*, 60 minutes lecture. Title: "Multiple Stirling numbers of the first and the second kind."
- *AMS 2010 Spring Western Section Meeting #1059 at University of New Mexico, Albuquerque, NM*, invited speech, April 17-18, 2010, 30 minutes talk in the Special Session on Geometric Combinatorics. Title: "Multilateral basic hypergeometric summation identities and hyperoctahedral group symmetries."
- *AMS 2010 Spring Central Section Meeting #1058 at Macalester College, St. Paul, MN*, invited speech, April 10-11, 2010, 30 minutes talk in the Special Session on Partition Theory and the Combinatorics of Symmetric Functions. Title: "Multiple special numbers."
- *Physics & Astronomy Colloquium, Texas A&M University-Commerce, Commerce, TX, Spring 2010*, 60 minutes invited lecture. Title: "Multidimensional discrete probability measures."

- *AMS 2009 Fall Southeastern Meeting #1053 at Florida Atlantic University, Boca Raton, FL, invited speech, October 30-November 1, 2009, 30 minutes talk in the Special Session on Enumerative Combinatorics. Title: "A multilateral Bailey Lemma and multiple Andrews-Gordon identities."*
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2009, 60 minutes lecture. Title: "Multiple analogues of binomial coefficients and applications."*
- *AMS 2009 Fall Central Section Meeting #1051 at Baylor University, Waco, TX, invited speech, October 16-18, 2009, 30 minutes talk in the Special Session on Contemporary Complex and Special Function Theory. Title: "Elliptic Macdonald functions and Jackson coefficients on BC_n ."*
- *AMS 2009 Spring Central Sectional Meeting #1047 at University of Illinois at Urbana-Champaign, Urbana, IL, invited speech, March 27-29, 2009, 30 minutes talk in the Special Session on q -Series and Partitions. Title: "A weak multiple Bailey Lemma and some applications."*
- *Math Club Talk, Texas A&M University-Commerce, Commerce, TX, Fall 2008, 60 minutes lecture. Title: "Speaker Recognition via Vocal Tract Modeling."*
- *MAA 2008 Fall MD/DC/VA Sectional Meeting, Hood College, November 7-8, 30 minutes talk. Title: "A Mathematical Model of Canary (*Canarius serinus*) Vocal System."*
- *AMS 2008 Spring Western Section Meeting #1039 at Claremont McKenna College, Claremont, CA, May 3-4, 2008, 30 minutes talk in the Special Session on Algebraic Combinatorics. Title: "Multiple Andrews-Gordon Identities."*
- *School on Macdonald Polynomials, and Workshop on Combinatorial Hopf Algebras and Macdonald Polynomials, Theme Semester: Recent Advances in Combinatorics, CRM, University of Montreal, Canada, invited participant, April 30 - May 4, 2007.*
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Spring 2007, 60 minutes lecture. The title: "Combinatorial Proofs of Multiple q -series Identities".*
- *New College of Florida, invited speech, 60 minutes seminar talk. Title: "Symmetries of q -series Identities", Spring 2007.*
- *AMS 2006 Eastern Sectional Meeting #1021 at University of Connecticut, Storrs, CT, October 28-29, 2006, 30 minutes talk in the Special Session on Number Theory. Title: "An Elliptic BC_n Bailey Lemma and Euler Pentagonal Number Theorems".*
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2006, 60 minutes seminar lecture. Title: "An Infinite Family of Multiple q -series Identities".*

- *NSF/CSEMS Research Program, North Texas CC, Mount Pleasant, TX, May 2006*, invited speaker. Title: "An Alternative Approach to 3D Image Reconstruction via Cubic Splines".
- *Summer 05 Research Seminar, Texas A&M University-Commerce, Commerce, TX*, 30 minutes presentation. Title: "Multivariate Interpolation Techniques and Special Functions".
- *Combinatorial and Additive Number Theory (CANT 2005), CUNY Graduate Center, New York, NY, May 18-21, 2005*, 30 minutes talk. Title: "Hyperoctahedral Symmetries of BC_n Bailey Lemma".
- *AMS Sectional Meeting in Pittsburgh, PA, University of Pittsburgh, November 6-7, 2004*, 30 minutes talk in the Special Session on Multivariable Hypergeometric Functions. Title: "Elliptic BC_n Bailey Lemma and Applications".
- *AMS Sectional Meeting in Evanston, Illinois, Northwestern University, October 15-16, 2004*, 30 minutes talk in the Special Session on Orthogonal Polynomials and Applications. Title: "Multiple q -series Identities".
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2004*, a 60 minutes seminar lecture. The title: "Multiple q -series Identities for Dummies".
- *Workshop on Jack, Hall-Littlewood and Macdonald Polynomials, Sept. 23-26, 2003, International Centre for Mathematical Sciences, Edinburgh*, invited participant.
- *Math Department Colloquium, Texas A&M University-Commerce, Commerce, TX, Fall 2003*, two 60 minutes seminar lectures on certain applications of results from dissertation research.
- *Algebra/Combinatorics Seminar, Texas A&M University, College Station, TX, Fall 2002 and Spring 2003*, two 60 minutes talks on recent results of dissertation work.
- *Number Theory and Combinatorics in Physics Conference, March 21-23, 2003, University of Florida, Gainesville*, invited participant.
- *AMS Sectional Meeting in Baton Rouge, Louisiana, March 14-16, 2003*, 30 minutes talk in the Special Session on q -series in Number Theory and Combinatorics. Title: "Certain Applications of BC_n Bailey Lemma".
- *AMS Sectional Meeting in Madison, University of Wisconsin, October 12-13, 2002*, 30 minutes talk in the Special Session on Special Functions and Combinatorics. Title: " BC_n Bailey Lemma and Rogers-Ramanujan Identities".
- *San Diego Joint Meeting, San Diego, CA, Jan 6-Jan 9, 2002*, 10 minutes talk in a General Contributed Paper Session. Title: "Properties of well-poised rational Schur functions W_λ on BC_n ".
- *SIAM Conference in Discrete Mathematics, San Diego, CA, August 11-14, 2002*, 15 minutes talk in the Enumeration Session. Title: "A Higher Dimensional Generalization of Bailey Lemma and Rogers-Ramanujan Identities".

- *NATO ASI conference Special Functions 2000: Current Perspectives and Future Directions, Tempe, AZ, May 29-Jun 9, 2000, 30 minutes talk. Title: "An analogue of Jackson sum for the root system B_ℓ^\vee ".*