Texas Geometry and Topology Conference
Summary of Previous Meetings

National speakers are indicated by (*).

Meeting 1: University of Houston, March 10-12, 1989

Jeff Cheeger*, State University of New York, Stony Brook
  Complete manifolds of bounded curvature and finite volume
S. S. Chern*, University of California, Berkeley
  Dupin submanifolds
L. Zhiyong Gao, Rice University
  Convergence theorems for Riemannian manifolds
Robert Gompf, The University of Texas, Austin
  Topology of algebraic surfaces
Robert Hardt, Rice University
  Symmetric and asymmetric harmonic maps
Jon Pitts, Texas A&M University
  Applications of geometric variational methods in the large
Karen Uhlenbeck, The University of Texas, Austin
  Non-minimal solutions to Yang-Mills equations

Meeting 2: University of Texas, Austin, December 1-3, 1989

Jaigyoung Choe, Rice University
  Isoperimetric inequality, index and stability of a minimal surface
Ezra Getzler*, Massachusetts Institute of Technology
  Analysis on loop groups
Robion Kirby*, University of California, Berkeley
  Witten-Reshetikin-Turaev invariants of 3-manifolds
Raymond Lickorish, Visiting The University of Texas, Austin
  3-manifold invariants from the combinatorics of the Jones polynomial
Frank Quinn*, Virginia Polytechnic Institute and State University
  Gromov convergence of stratified sets
Michael Wolf, Rice University
  Harmonic maps and Teichmuller theory
Phillip Yasskin, Texas A&M University
  The diffeomorphism group as a partial indirect product

Meeting 3: Rice University, March 30 - April 1, 1990

David Bao, University of Houston
  The geometric origin of a highly degenerate Monge-Ampere equation
Robert Bryant*, Duke University
  Twistors and holonomy
Robin Forman, Rice University
  Torsion and a theorem of Milnor

Dan Freed, The University of Texas, Austin
  Finite quantum field theories
Cameron Gordon, The University of Texas, Austin
  Dehn surgery
Reese Harvey, Rice University
  Chern currents
Shangyu Ji, University of Houston
  Kähler currents on compact complex manifolds
Leon Simon[*], Stanford University
  Asymptotics near singular points

Meeting 4: North Texas State University, November 6-8, 1990
American Mathematical Society, Regional Meeting, Special Session
Ara Basmajian, University of Oklahoma
  The orthogonal spectrum of a hyperbolic manifold
Charles P. Boyer, University of New Mexico
  The hyperkähler geometry of instanton moduli
A, Delshams, University of Barcelona & R. de la LLave, University of Texas, Austin
  Convergent perturbation theories for volume preserving flows and maps
Reinhard O. W. Franz, University of Bielefeld)
  Counting periodic tilings of the plane
Brian Kasper, University of Texas, Austin
  Examples of symplectic structures of fiber bundles
Daniel P. Lathrop, University of Texas, Austin
  The observation of saddle periodic orbits in physical systems
Terry Lohrenz, Rice University
  Determinants on CR manifolds
Benjamin M. Mann, University of New Mexico
  The total Chern class is an infinite loop
R. Daniel Mauldin, University of North Texas
  Topological properties of some attractors for cylinder maps
Alec Norton, University of Texas, Austin
  The Denjoy problem in two dimensions
Thomas Otway, University of Texas, Austin & Karen Uhlenbeck, University of Texas, Austin
  The p-Yang-Mills equations
Johan Råde, University of Texas, Austin
  The gradient flow for the Yang-Mills functional in two and three dimensions
Daniel B. Swearingen, Rice University
  On the geometry of the moduli space of flat tori
Marty Ross, Rice University
  Schwarz' P-surface is stable
Daniel S. Silver, University of South Alabama
  Growth rates and knots
Laurette S. Tuckerman, University of Texas, Austin
  Bifurcation analysis of the Eckhaus instability

S. Walter Wei, University of Oklahoma
Some Quasilinear systems with a lack of ellipticity
Susan G. Williams, University of South Alabama
Lattice Invariants for Sofic Shifts

Meeting 5: Texas A&M University, April 12-14, 1991

Ilya Bakelman, Texas A&M University
Hypersurfaces with prescribed mean curvature in Riemannian spaces
Tim Cochran, Rice University
Homology cobordism and links
Robert Gompf, University of Texas, Austin
Irreducible 4-manifolds need not be complex
Paul Goodey, University of Oklahoma
Radon transforms and the geometry of convex sets
Richard Schoen*, Stanford University
Some new applications of harmonic maps to rigidity problems
Stephen Semmes, Rice University
A generalization of Riemann mappings to several complex variables
Peter Stiller, Texas A&M University
On the geometry and arithmetic of elliptic surfaces
Clifford Taubes*, Harvard University
Stable uniformization of 4-dimensional manifolds

Meeting 6: University of Texas, Austin, October 18-20, 1991

David Bao, University of Houston
A Harnack inequality for the p-Laplacian diffusion equation
Michael Freedman*, University of California at San Diego
From annulus conjecture to signal processing
John Hempel, Rice University
Positive diagrams for 3-manifolds
Ben Mann, University of Texas, Austin
The topology of moduli spaces and the Atiyah-Jones conjecture
Dusa McDuff*, New York University
Pseudo-holomorphic curves in symplectic 4-manifolds
Karen Uhlenbeck, University of Texas, Austin
Global Analysis: A subject before its time?
Tom Vogel, Texas A&M University
Capillary surfaces in wedges and cones

Meeting 7: The University of Houston, February 7-9, 1992

Dan Burns*, University of Michigan
Development maps in CR and complex hyperbolic geometry
S. S. Chern*, University of California at Berkeley
Closed W-surfaces
Mike Field*, Sydney University

Geometric and topological methods in the analysis of symmetry breaking
Robin Forman, Rice University
 Spectral sequences via harmonic forms
Dan Freed, University of Texas, Austin
 Variations on the Chern-Simons form
Shanyu Ji, University of Houston
 Currents, Metrics and Moishezon manifolds
Robert Kusner*, University of Massachusetts
 The geometry of constant mean curvature surfaces
Sheldon Newhouse*, University of North Carolina
 Symbolic dynamics in low-dimensional systems
Chris Pope, Texas A&M University
 W-algebras and W-strings
Leon Simon*, Stanford University
 The singular set of minimal surfaces and harmonic maps

Meeting 8: San Antonio, Texas, January 13-16, 1993
American Mathematical Society, Winter Meeting, Special Session
James W. Anderson
 Intersections of topologically tame Kleinian groups
Dave Auckly, University of Texas, Austin
 Topological methods to compute Chern-Simons invariants
J. Scott Carter, University of South Alabama & Masahico Salto, University of Texas, Austin
 Movie diagrams and simplex equations
Edward G. Dunne, Oklahoma State University
 Twistor theory for indefinite Kähler manifolds
Mario Eudave-Muñoz, Ciudad University, Mexico
 Non-hyperbolic manifolds obtained by Dehn surgery on an hyperbolic knot
Dana S. Fine, University of Massachusetts
 Chern-Simons theory via path integrals
Patrick M. Gilmer, Louisiana State University
 Floppy curess and applications to nonsingular real algebraic curves
William C. Jagy, Midwestern State University
 Classifying sphere-foliated CMC submanifolds of space forms
Amelia C. Jones, University of Oregon
 Two-generator links
Kerry N. Jones, University of Texas, Austin & Alan W. Reid, University of Texas, Austin
 Nonsimple geodesics in hyperbolic 3-manifolds
Edward C. Keppelmann, Texas A&M University
 The Nielson theory of fibrations
Georgi Kamberov, Rice University
 Initial boundary value problems for the Ricci flow
Guojun Liao, University of Texas, Arlington
 Volume preserving diffeomorphisms of a manifold with boundary
Robert McLean, Texas A&M University

Recent results in the holonomy manifolds with an affine connection
Sassan Mohseni, University of Dallas
   Continuity of the Liouville form of metrics of non-positive curvatuere
Chris L. Morin, University of Texas, Austin
   Homotopy unknotting number
Max Neumann-Coto, University National Autonoma de Mexico, Mexico
   Least area tori in 3-manifolds
Ken Richardson, Rice University
   Critical points of the determinant of the Laplace operator
Edith Starr, Rice University
   Curves in the boundary of a handlebody
Ying-Quing Wu, University of Texas, Austin
   Unlinked graphs in 3-manifolds

Meeting 9: Rice University, April 16-18, 1993
Mark Brittenham, University of Texas, Austin
   Essential laminations in non-Haken 3-manifolds
Huai-Dong Cao, Texas A&M University
   Harnack estimates for heat flows
Yakov Eliashberg*, Stanford University
   Topology of 2-knots and symplectic geometry
Rick Litherland, Louisiana State University
   Numerical invariants for knotted graphs
Howard Masur*, University of Illinois, Chicago
   A random walk on the mapping class group and the boundary of Teichmuller space
Matthew Nicol, University of Houston
   Detecting the symmetry of attractors: an approach based on ergodicity
Amy Radunskaya, Rice University
   Detecting geometric and statistical properties of attractors
Walter Wei, University of Oklahoma
   p-harmonic maps with applications to topology geometry, and PDE's
Shiah-Sen Wang, Rice University
   Energy minimizing sections of bundles
John Zweck, Rice University
   Chern currents of singular connections associated with a compactified bundle

Meeting 10: Texas A&M University, October 22-23, 1993
American Mathematical Society, Regional Meeting, Special Session
James Anderson, Rice University
   Defects of Schottky groups
Dave Auckly, University of Texas, Austin
   An irreducible homology sphere which is not Dehn
T. David Hendricks, Texas A&M University
   Existence of hypersurfaces of prescribed mean curvature
Paulo Lima-Filho, Texas A&M University

Algebraic cycles as a topological group functor
Terry Lohrenz, Rice University
   the spectrum of the number operator in path space
Lorenzo Sadun, University of Texas, Austin
   Moduli of singular Yang-Mills fields
Yoshi Tonegawa, Rice University
   Complete constant mean curvature surfaces in hyperbolic space
Karen Uhlenbeck, University of Texas, Austin
   Dipole solutions to the meron problem
Louis Zulli, Rice University
   A matrix for computing the Jones polynomial of a knot

Meeting 11: University of Texas, April 15-17, 1994
Martin Betz, University of Texas, Austin
   Symplectic Floer homology operations
Robert Fintushel*, Michigan State University
   2-spheres and the Donaldson series
Martin Golubitsky, University of Houston
   Symmetry attractors
Ruth Gornet, Texas Tech University
   Spectral geometry on Riemannian nilmanifolds
James Milgram*, University of New Mexico
   The geometry of instanton moduli spaces on spheres and ruled surfaces
Dan Pollack, Mathematical Sciences Research Institute
   Singular Yamabe metrics and constant mean curvature
Richard Stong, Rice University
   Topological embeddings of 2-spheres in 4-manifolds
Panel Discussion: *Undergraduate research*
   Moderator: Hugo Rossi*, University of Utah
   Murad Ozaydin, University of Oklahoma
   Alice Underwood, University of North Texas
   Phil Yasskin, Texas A&M University

Meeting 12: Texas A&M University, November 11-13, 1994
Andrew Casson*, University of California, Berkeley
   A possible approach to the geometrization conjecture
Davide Cervone*, The Geometry Center
   The National Science and Technology Research Center for Computation
   and Visualization of Geometric Structures: a postdoc's perspective
Dan Freed, University of Texas, Austin
   Late breaking news in gauge theory
Robert Gompf, University of Texas, Austin
   Cutting and pasting symplectic manifolds
Richard Hamilton*, University of California, San Diego
   Problems on the Ricci flow on 3-manifolds

Shanyu Ji, University of Houston
   On Riemann's mapping problem
Blaine Lawson*, SUNY at Stony Brook
   On moving families
Jean Taylor*, Rutgers University
   Crystalline surface diffusion
DaGang Yang, Tulane University
   Bounded harmonic forms on complete manifolds

Meeting 13: Rice University, April 7-9, 1995

Pawel Gajer, Texas A&M University
   A geometric interpretation of smooth Deligne cohomology
Cameron Gordon, University of Texas, Austin
   Which knot has the most exceptional surgeries?
Steve Hurder*, University of Illinois, Chicago
   Coarse chaos
Tom Mrowka*, California Institute of Technology
   The Seibert-Witten equations and the topology of four-manifolds
Efton Park, Texas Christian University
   Index theory on odd-dimensional manifolds
Vern Paulsen, University of Houston
   Von Neumann's inequality, completely bounded maps, and the
   Caratheodory and Kobayashi metrics
William Veech, Rice University
   Delaunay partitions
Panel Discussion: *Helping minorities and first generation collegians succeed in freshman mathe-*
matics
   Moderator: Uri Treisman, University of Texas, Austin
   Nancy King, Texas Southern University
   Cynthia Lanius, Milby High School, Houston

Meeting 14: University of Texas, Austin, November 10-12, 1995

Mike Anderson*, State University of New York, Stony Brook
   Scalar curvature and geometrization for 3-manifolds
Francis Bonahon*, University of Southern California
   Hyperbolic convex hulls
Jim Cannon*, Brigham Young University
   Recognizing constant curvature groups from planar subdivision rules
Mike Freedman*, University of California, San Diego
   A nilpotent classification of closed 3-manifolds
Jon Pitts, Texas A&M University
   Computing least area hypersurfaces spanning arbitrary boundaries
David Morrison*, Duke University
   Supersymmetric maps and the topology of Calabi-Yau manifolds
Hyam Rubinstein*, University of Melbourne

Singular incompressible surfaces in 3-manifolds

Meeting 15: University of Houston, February 23-25, 1996

S. S. Chern*, Mathematical Sciences Research Institute
  Welcoming Remarks
Robert Bryant*, Duke University
  The geometry of Finsler surfaces of constant curvature
Jeff Cheeger*, Courant Institute
  Manifolds with Ricci curvature bounded below
Reese Harvy, Rice University
  Atomic sections and Chern currents
Min Ru, University of Houston
  On the Gauss map of minimal surfaces in n-dimensional Euclidean space
Lorenzo Sadun, University of Texas, Austin
  Aperiodic tiling and pinwheel geometry
Ying Shen, Texas A&M University
  Rigidty of stable minimal hypersurfaces
Zhongmin Shen*, I.U.P.U.I.
  Topology of complete manifolds with non-negative Ricci curvature
Special Presentation: *Teaching ODE's using new technology*
  John Polking, Rice University
  Martin Golubitsky, University of Houston

Meeting 16: Rice University, October 11-13, 1996

Mladen Bestvina*, University of Utah
  Homotopy hyperbolic 3-manifolds are hyperbolic
Huai-Dong Cao, Texas A&M University
  Two theorems of Bernstein type
Toby Colding*, New York University
  Weyl type bounds for harmonic functions
Fanghua Lin*, University of Chicago
  Harmonic and quasi-harmonic spheres
Robert Meyerhoff*, Boston College
  Homotopy hyperbolic 3-manifolds are hyperbolic
Alan Reid, University of Texas, Austin
  Closed essential surfaces in bounded 3-manifolds
Richard Stong, Rice University
  A maximally contractive map from Z^2 to Z^3
Karen Uhlenbeck, University of Texas, Austin
  Two interesting geometric evolution equations

Meeting 17: Texas Christian University, February 7-9, 1997

Robin Forman, Harvard University and Rice University
  Combinatorial differential topology and geometry
Claude LeBrun*, SUNY Stony Brook

On 4-dimensional Einstein manifolds
Paulo Lima-Filho, Texas A&M University
   Generating functions for Euler-Chow invariants of projective varieties
Darryl McCullough, University of Oklahoma
   Diffeomorphisms of 3-manifolds
Kate Okikiolu*, MIT and Princeton University
   The determinant of the Laplacian for 3-manifolds
Jonathan Rosenberg*, University of Maryland
   Secrets of the signature operator
Gerard Walschap, University of Oklahoma
   Metric fibrations in spaces of nonnegative curvature
Xingru Zhang, Oklahoma State University
   Virtual Haken Dehn surgery on knots in reducible 3-manifolds
Panel Discussion: *Research Experiences for Undergraduates*
   Rhonda Hatcher, Texas Christian University
   Ara Basmajian, University of Oklahoma
   George Gilbert, Texas Christian University

Meeting 18: Rice University, November 14-16, 1997
Tim Cochran, Rice University
   Finite type invariants for 3-manifolds
John Lott*, University of Michigan
   Spinors and collapsing
Mikhail Lyubich*, SUNY Stony Brook
   Hyperbolic laminations associated with rational maps
John Millson*, University of Maryland, College Park
   On representation varieties of Artin groups, projective arrangements, and the fundamental groups of smooth complex varieties
Dennis Sullivan*, CUNY Graduate Center and SUNY Stony Brook
   On the smooth continuum model used in geometry and the natural sciences
Abby Thompson*, University of California, Davis
   Two parameter graphics for 3-manifolds and knots
Shmuel Weinberger*, University of Chicago
   Arithmetic groups and variational problems for Riemannian manifolds

Meeting 19: University of Houston, April 24-26, 1998
Doug Bullock*, University of Maryland
   Lattice gauge field theory and quantum invariants
Marcus Cohen*, New Mexico State University
   Quadrispin geometry and the dynamics of a unified field
John Oprea*, Cleveland State University
   Differential geometry, computers and today's science majors
Lorenzo Sadun, University of Texas
   Parallel bundles and symmetric spaces
Barbara Shipman*, University of Rochester

The geometry of the honeybee's dance language
Barbara Shipman*, University of Rochester
   Convex polytopes and momentum mappings in the geometry of generalized flag manifolds: a physical interpretation and connections with honeybee
Barbara Shipman*, University of Rochester
   Convex polytopes and torus actions on generalized flag manifolds in the geometry of a completely integrable dynamical system
Jian Zhou, Texas A&M University
   Equivariant Cohomology, Localization and Applications

Meeting 20: University of Texas, October 16-18, 1998
Dave Auckly*, Kansas State University
   The geometry of balance
Helmut Hofer*, Courant Institute
   The concept of energy in symplectic geometry
Jacques Hurtubise*, McGill University
   Integrable systems and surfaces
Sheldon Katz*, Oklahoma State University
   Singularities and string theory
Ken Stephenson*, University of Tennessee
   A "regular" pentagonal tiling of the plane
Margaret Symington, University of Texas at Austin
   Sympletic rational blowdowns
Jon Wolfson*, Michigan State University
   The Plateau problem for lagrangian surfaces

Meeting 21: Texas Tech University, February 26-28, 1999
Lisa Traynor*, Bryn Mawr
   Legendrian Tangles
Sergio Fenley*, Washington University in St. Louis
   Immersed surfaces transverse to pseudo-Anosov flows and virtual fibers
Ken Richardson, Texas Christian University
   Group actions and the heat equation
Tanya Christiansen*, University of Missouri - Columbia
   Spectral theory for some noncompact manifolds
Jim Anderson*, University of Southampton and Rice University
   Locally free Kleinian groups and hyperbolic manifolds
Charles Boyer*, University of New Mexico
   Einstein manifolds via contact geometry
Patrick Eberlein*, University of North Carolina - Chapel Hill
   Geometry of two-step nilpotent Lie groups
Peter Petersen*, University of California - Los Angeles
   The Hitchin-Thorpe inequality for noncompact 4-manifolds

Meeting 22: Texas A&M University, November 12-14, 1999

Dan Freed, University of Texas at Austin
  Actions and anomalies
Bon Lian*, Brandeis University
  Potential function of a Calabi-Yau threefold
Rafe Mazzeo*, Stanford University
  Singular Monge-Ampere equations and critical exponent problems
Bill Minicozzi*, Johns Hopkins University
  Embedded minimal tori in 3-manifolds and applications
Stephen Semmes, Rice University
  Quasi-minimizing surfaces and applications to sets with topological nondegeneracy
Ron Stern*, University of California, Irvine
  Surfaces in smooth and symplectic 4-manifolds
Chuu-Lian Terng*, Northeastern University
  Geometry of the n-wave equation
Gang Tian*, MIT
  Kahler Ricci solitons

Meeting 23: University of Texas, February 25-27, 2000

Danny Calegari*, University of California, Berkeley
  Taut foliations with one-sided branching
Bob Edwards*, University of California, Los Angeles
  Compact non-Lie group actions
Bob Gompf, University of Texas, Austin
  Topologically characterizing symplectic manifolds
John Hempel, Rice University
  Stack intersection numbers as a measure of complexity for splittings of 3-manifolds
Steve Kerckhoff*, Stanford University
  A priori bounds for hyperbolic Dehn surgery
Hyam Rubinstein*, University of Melbourne and Stanford University
  Recognizing bundle covers of some 3-manifolds
Peter Teichner*, University of California, San Diego
  A survey on von Neumann signatures
Constantin Teleman, University of Texas at Austin
  Quantization of the Hitchin system

Meeting 24: Rice University, November 10-12, 2000

Chris Connell*, University of Illinois, Chicago
  Bounding the degree of maps
Misha Kapovich*, University of Utah
  Periods of abelian differentials and dynamics
Tao Li, The University of Texas, Austin
  Laminar branched surfaces in 3-manifolds
Kefeng Liu*, Stanford University
  Heat kernel, symplectic geometry, moduli spaces, and finite groups

Nikolai Nadirashvili*, University of Chicago
  Critical points of eigenfunctions
Andrei Okounkov*, University of California, Berkeley
  Random trees and moduli of curves
Karen Vogtmann*, Cornell University
  The geometry of spaces of finite trees
Jian Zhou*, M.I.T.
  Vertex algebras in differential geometry

Meeting 25: Texas Christian University, February 23-25, 2001
Ara Basmajian, University of Oklahoma
  A generic geometric property of constant curvature 3-manifolds
Phil Bowers*, Florida State University
  Computing conformal structures of curved surfaces
Leonid Friedlander*, University of Arizona
  The differential invariant related to the first value of the Laplacian
Razvan Gelca, Texas Tech University
  Kauffman bracket skein modules and character varieties
Franz Kamber*, University of Illinois, Champaign-Urbana
  Equivariant dimensional reduction and the Bott-Borel-Weil theorem
John Roe*, The Pennsylvania State University
  Topological implications of amenability
Machiel van Frankenhuysen*, Rutgers University
  The ABC Conjecture implies Vojta's height inequality for curves
Frederico Xavier*, University of Notre Dame
  Some geometric and analytical questions relating to global injectivity

Meeting 26: Texas A&M University, November 2-4, 2001
Luis Caffarelli, University of Texas, Austin
  Plane like minimal surfaces in periodic media, and related problems
Richard Hamilton*, Columbia University and University of California, Irvine
  Geometric estimates for the logarithmic porous medium equation
Robert Hardt, Rice University
  Bubbling, bubbles, and scans
Gerhart Huisken*, University of Tuebingen
  Neck pinching in mean curvature flow
Paulo Lima-Filho, Texas A&M University
  Twisted multiplicative transfers and characteristic classes
Kefeng Liu*, University of California, Los Angeles
  Mathematical results inspired by physics
Paul Yang*, Princeton University
  Conformal invariants and a sphere theorem

Meeting 27: Texas Tech University, April 5-7, 2002
Ivan Avramidi, New Mexico Institute of Mining and Technology

Heat kernel asymptotics
Peter Buser*, Ecole Polytechnique Federale de Lausanne
   Spectral rigidity of Fuchsian groups of small signature
Lisa DeMeyer, Oklahoma State University
   Geodesics in nilpotent groups
Stephen Fulling, Texas A&M University
   Making quantization and pseudodifferential operators geometrically correct
Rob Kusner*, University of Massachussets, Amherst
   Tying knots with spaghetti
Ernesto Lupercio*, University of Wisconsin, Madison
   Orbifolds, gerbes, and Deligne cohomology
Liviu Nicolaescu*, University of Notre Dame
   Seiberg-Witten invariants and surface singurlarities
Peter A. Perry*, University of Kentucky, Lexington
   Determinants of Laplacians, scattering poles, and isopolar sets of Riemann surfaces

Meeting 28: The University of Texas at Austin, October 11-13, 2002
Jean Pierre Bourguignon*, Institut des Hautes Etudes Scientifiques
   Improved Kato inequalities and geometric applications
Steven Bradlow*, University of Illinois at Urbana-Champaign
   Moduli spaces of augmented bundles: theory and practice
Philip Candelas, University of Texas, Austin
   Zeta Function for the Quintic Threefold
Antonella Grassi*, University of Pennsylvania
   Geometry of large N-dualities
Takashi Kimura*, Boston University and Institute for Advanced Study
   On integrable systems and cohomological field theories
Rick Schoen*, Stanford University
   Yamabe invariants of three-manifolds
Jalal Shatah*, Courant Institute of Mathematical Sciences
   Geometric Dispersive Equations
Clifford Taubes*, Harvard University
   Instabilities and interquark forces

Meeting 29: University of Houston, February 21-23, 2003
Michael Gage*, University of Rochester
   Minkowski geometry, curve shortening, and flow by weighted mean curvature
Roland Glowinski, University of Houston
   Numerical methods for the Dirichlet problem for the two-dimensional elliptic Monge-Ampere equation: from augmented Lagrangians to incompressible Navier-Stokes equations solution methods
Brendan Hassett, Rice University
   Flipping the moduli space of curves
Tamas Hausel, The University of Texas at Austin
   Mirror symmetry, Langlands duality, and representations of finite groups of Lie type

Jacob Sturm*, Rutgers University
  Scalar curvature and Deligne pairing
Jiaping Wang*, University of Minnesota
  Geometry and topology of manifolds with positive spectrum
Pit-Mann Wong*, University of Notre Dame
  p-adic Monge-Ampere equations and related problems

Meeting 30: Rice University, October 31-November 2, 2003
Daniel Allcock, The University of Texas at Austin
  The fundamental group of the space of smooth cubic surfaces
Richard Kenyon*, Université Paris-Sud and Princeton University
  Asymptotics of random discrete interfaces
Peter Ozsv'ath*, Columbia University
  Geometric transitions and integrable systems
Tony Pantev*, University of Pennsylvania
  Floer homology and Dehn fillings
Mihnea Popa*, Harvard University
  Asymptotic intersection numbers and restricted volumes
Jason Starr*, M.I.T.
  Sections of algebraic fibrations
Genevieve Walsh, The University of Texas at Austin
  Some examples of virtually Haken and virtually fibered three-manifolds
Mu-Tao Wang*, Columbia University
  Mean curvature flows of Lagrangian submanifolds

Meeting 31: Texas Christian University, February 27-29, 2004
Cameron Gordon, The University of Texas at Austin
  Knots with unknotting number 1
James Heitsch*,, University of Illinois, Chicago
  Index theory and non-commutative geometry
Theron J. Hitchman, Rice University
  Rigidity of weakly hyperbolic standard actions of lattices in rank one Lie groups on nilmanifolds
John Lott*, University of Michigan
  Towards a synthetic notion of Ricci curvature
Stephen Semmes, Rice University
  Happy fractals
Krishnan Shankar*, University of Oklahoma
  Spherical rank rigidity and Blaschke manifolds
Mikhail Shubin*, Northeastern University
  Spectral properties of Schrödinger operators
Magdalena Toda, Texas Tech University
  Lorentz conformal structures and the wave equation

Meeting 32: Texas A&M University, October 29-31, 2004
Charles Boyer, University of New Mexico

Einstein metrics on spheres
Simon Brendle*, Princeton University
   The concentration-compactness principle and the Yamabe flow in conformal geometry
Huai-Dong Cao*, Lehigh University
   Second variation of Perelman's entropies and stability of Ricci solitons
Tobias Colding*, New York University
   The Calabi-Yau conjectures for embedded surfaces
Benson Farb*, University of Chicago
   Hidden symmetry
Joseph Landsberg*, Harvard University/Texas A&M University
   On the complexity of matrix multiplication
Chiu-Chu Liu*, Harvard University
   Gromov-Witten invariants of toric Calabi-Yau threefolds
Brian White*, Stanford University
   New applications of mean curvature flow to minimal surfaces

Meeting 33: Texas Tech University, February 25-27, 2005
Ruth Gornet, University of Texas at Arlington
   The length spectrum and isospectrality
Brian Hall*, University of Notre Dame
   The range of the heat operator
Klaus Kirsten, Baylor University
   Zeta and eta invariants for Dirac operators with Chiral bag boundary conditions
John Sullivan*, Technical University of Berlin
   Geometric knot theory
Craig Sutton*, University of Pennsylvania
   Methods for constructing isospectral manifolds
Alejandro Uribe*, University of Michigan
   Quantizing (non-Kahler) compact symplectic manifolds
V. S. Varadarajan*, University of California at Los Angeles
   Super geometry and modern physics
Zhenghan Wang*, Indiana University
   Noncommutative geometry and quantum computing

Meeting 34: The University of Texas at Austin, September 30-October 2, 2005
David Ben-Zvi, The University of Texas at Austin
   Langlands Duality for Representations of Real Lie Groups
George Daskalopoulos*, Brown University
   Harmonic maps on singular domains and geometric rigidity
John Etnyre*, University of Pennsylvania
   Contact geometry and open book genus
Nancy Hingston*, College of New Jersey
   Periodic Solutions of Hamilton's Equations on Tori
Sheldon Katz*, University of Illinois
   Donaldson-Thomas invariants of complex projective threefolds

Rafe Mazzeo*, Stanford University
Some linear and nonlinear elliptic problems in higher rank geometries
Dennis Sullivan*, SUNY at Stony Brook
The free loop space of a manifold and the moduli space of Riemann surfaces
Paul Seidel*, University of Chicago
Khovanov meets Ozsvath-Szabo

Meeting 35: University of Houston, February 17-19, 2006

(Note: This meeting was a special themed conference in memory of Professor S. S. Chern.)
Robert L. Bryant*, Duke University
Finsler 2-spheres of constant curvature
Brendan Hassett, Rice University
Compact moduli spaces for surfaces of general type
Shanyu Ji, University of Houston
Rigidity problems for proper holomorphic maps between balls
Dan Knopf, The University of Texas at Austin
Ricci flow with surgery, as applied to Poincaré
Zhongmin Shen*, NSF and IUPUI
Randers metrics of scalar flag curvature
Yum-Tong Siu*, Harvard University
Multiplier ideals – a new technique linking analysis and algebraic geometry
Shoucheng Zhang*, Stanford University
Chern numbers and Chern–Simons terms in physics

Meeting 36: Rice University, October 27-29, 2006

Joan Birman*, Columbia University
Invariants of Heegaard splittings and of 3-manifolds
Elisenda Grigsby*, Columbia University
A combinatorial description of the knot Floer homology of cyclic branched covers
Richard Hain*, Duke University
Relative weight filtrations on completions of mapping class groups
Ko Honda*, University of Southern California
Reeb vector fields and open book decompositions
Eleny Ionel*, Stanford University
Singular spaces and Gromov-Witten invariants
Mikhail Kovanov*, Columbia University
Braid cobordisms and triangulated categories
Feg Luo*, Rutgers University
Volume and angle structures on 3-manifolds
Daniel Ruberman*, Brandeis University
Periodic Dirac operators and positive scalar curvature on 4-manifolds

Meeting 37: Texas Christian University, March 23-25, 2007

Tara Brendle, Louisiana State University
Wicket groups and ring groups

Richard Canary*, University of Michigan
  Introductory bumponomics: deformation theory of Kleinian groups
Christina Sormani*, CUNY Graduate Center and Lehman College
  The covering spectrum of a Riemannian manifold
Steve Ferry*, Rutgers University
  Higson's compactification and the Novikov Conjecture
Payl Loya*, Binghampton University
  Gluing formulas for the spectral invariants of Dirac operators
Greg Friedman, Texas Christian University
  Intersection homology and Poincaré duality on homotopically stratified spaces
J. M. Landsberg, Texas A&M University
  Projective rigidity and flexibility of homogeneous varieties
Robin Hartshorne*, University of California, Berkeley
  Gorenstein liaison of algebraic varieties

Meeting 38: Texas A&M University, October 19-21, 2007
Simon Brendle*, Stanford University
  1/4-pinched manifolds are space forms
Jean-Pierre Demailly*, Université de Grenoble
  On compact complex manifolds covered by a torus
Michael Eastwood*, University of Adelaide
  The X-ray transform on complex projective space
Yakov Eliashberg*, Stanford University
  Orderability of groups of contact transformations and related topics
Dan Freed, University of Texas at Austin
  Remarks on topological field theory
Bruce Kleiner*, Columbia University
  BiLipschitz embedding in Banach spaces
Ngaiming Mok*, University of Hong Kong
  Analytic continuation of local holomorphic maps isometric with respect to the Bergman metric
Natasa Sesum*, Columbia University
  Compactness results for the Kähler-Ricci flow

Meeting 39: Texas Tech University, February 22-24, 2008
Ian Anderson*, Utah State University
  Superposition formulas for differential systems
Ian Anderson*, Utah State University
  Differential geometry with Maple
Sun-Yung Alice Chang*, Princeton University
  Compactness of conformally compact Einstein manifolds of dimension (3+1)
Vladimir Chernov*, Dartmouth College
  Causality and linking in spacetimes
Richard Melrose*, MIT
  Theta functions and isospectral manifolds

Emma Previato*, Boston University
   Theta functions and isospectral manifolds
Ken Richardson, Texas Christian University
   Desingularizing compact Lie group actions
Colleen Robles, Texas A&M University
   Rigidity of projective homogeneous varieties
Adam Sikora*, SUNY Buffalo
   Quantizations of character varieties and knot theory

Meeting 40: The University of Texas at Austin, October 10-12, 2008

Lewis Bowen*, University of Hawaii
   Free subgroups of lattices
Jeff Cheeger*, Courant
   Differentiable structures on metric measure spaces
Tom Farrell*, University of Binghampton
   The space of negatively-curved metrics on a closed manifold
Joel Hass*, U. C. Davis
   Harmonic maps and the stabilization of Heegaard splittings
Chikako Mese*, Johns Hopkins
   Harmonic maps in singular spaces
Hossein Namazi, University of Texas at Austin
   Splittings, hyperbolic geometry and models
Yi Ni*, MIT and AIM
   Dehn surgeries that reduce the Thurston norm of a fibered manifold
Stefano Vidussi*, U. C. Riverside
   Twisted Alexander polynomials and fibered 3-manifolds

Meeting 41: University of Houston, February 20-22, 2009

Alexander Bufetov, Rice University
   Suspension flows over Vershik's automorphisms
William Cherry, University of North Texas
   Explicit sharp upper bounds on the spherical derivative of maps from the disc into planar domains with spherical symmetries
Michael Field, University of Houston
   Resolution and intersection: three problems in equivariant geometry
Shelly Harvey, Rice University
   Subgroups of the mapping class group and higher-order signature cocycles
Dan Knopf, University of Texas at Austin
   Minimally invasive surgery for Ricci flow singularities
Joseph M. Landsberg, Texas A&M University
   Geometric approaches to P vs. NP
Kefeng Liu*, UCLA
   Recent results on moduli spaces

Bernard Shiffman*, Johns Hopkins
   Overcrowding and undercrowding of random zeros on complex manifolds
Yum-Tong Siu*, Harvard University
   Multiplier ideal sheaves an interface between analysis and algebraic geometry

Meeting 42: Rice University, November 6-8, 2009

Danny Calegari*, California Institute of Technology
   Faces of the scl norm ball
Rafael de la Llave, University of Texas at Austin
   Geometric properties of the scattering map to normally hyperbolic manifolds and applications to instability
Anton Gorodetski*, University of California, Irvine
   On quantitative characteristics of Cantor sets and their applications
Rostislav Grigorchuk, Texas A&M University
   Ergodicity of boundary actions, Hopf decomposition and Nielsen-Schreier method
Mike Hochman*, Princeton University
   Local entropy averages and projection of fractal measures
Mikhail Lyubich*, SUNY at Stony Brook
   Two-dimensional rational dynamics and Lee-Yang zeros
Karin Melnick*, University of Maryland
   Normal forms for conformal vector fields
William Veech, Rice University
   Teichmueller flows and curves and Hecke groups

Meeting 43: Texas Christian University, February 26-28, 2010

Jim Anderson*, University of Southampton
   Small filling sets of curves on a surface
Scott Baldridge, Louisiana State University
   Cube diagrams: The topology and geometry of knots in 3-dimensions
Tim Cochran, Rice University
   The fractal nature of 3-manifolds up to homology cobordism
Emily Dryden*, Bucknell University
   Upper bounds on eigenvalues of the laplacian: surfaces and beyond
Carolyn Gordon*, Dartmouth College
   Spectral geometry on line bundles over flat tori
Mark Haskins*, Imperial College, London
   Special lagrangian cones
Alexander Karabegov, Abilene Christian University
   Formal symplectic groupoids
Markus Pflaum*, University of Colorado
   Algebraic index theorems for orbifolds

Meeting 44: Texas A&M University, November 12-14, 2010
Gerard Besson*, Université de Grenoble
  Collapsing irreducile manifolds with nontrivial fundamental group
Gerard Besson*, Université de Grenoble
  The Geometrization Program
Robert Bryant*, MSRI
  The affine Bonnet problem
Peter Ebenfelt*, UC San Diego
  Rigidity of CR mappings into hyperquadrics
Phillip Griffiths*, Institute for Advanced Study
  Hodge theory and representation theory
Jun-Muk Hwang*, Korea Institute for Advanced Study
  Symmetries of cone structures
Lisa Jeffrey*, University of Toronto
  Real loci of based loop groups
Chuu-Lian Terng*, UC Irvine
  Isometric immersions of hyperbolic manifolds in Euclidean space, revisited
Gunther Uhlmann*, UC, Irvine, and U. of Washington
  Boundary rigidity, lens rigidity and travel time tomography

Meeting 45: Texas Tech University, February 18-20, 2011
Anthony Bloch*, University of Michigan
  Geometry of nonholonomic systems
Annalisa Calini*, College of Charleston
  Integrable evolution of closed vortex filaments: finite-gap solutions and their linear stability
Jeanne Clelland*, University of Colorado at Boulder
  Backlund transformations and Darboux integrability for nonlinear wave equations
Baris Coskunuzer*, Koc University, Turkey
  Generic uniqueness of area minimizing disks for extreme curves
Shantanu Dave*, University of Vienna, Austria
  Asymptotic analysis of regularizations that know about singularities
Dragos Oprea*, UC, San Diego
  The moduli space of stable quotients
Richard Palais*, UC, Irvine
  Geometry and Computer Graphics: Partnership, interaction, and challenges
Alexander A. Voronov*, U. of Minnesota and IPMU
  Higher categories and TQFTs

Meeting 46: The University of Texas at Austin, October 7-9, 2011
Mohammed Abouzaid*, MIT
  On the Floer theory of compact symplectic manifolds
Mladen Bestvina*, University of Utah
  Topology and geometry of $\mathrm{Out}(F_n)$

Mladen Bestvina[*], University of Utah
   How to solve $|x|^2 - 2|y|^2 = 1$ over Gaussian integers
Ursula Hamenstädt[*], University of Bonn
   Disk systems, sphere systems and the geometry of mapping class groups
Çağri Karakurt, University of Texas at Austin
   Corks and exotic smooth structures of 4-manifolds
Peter Kronheimer[*], Harvard University
   Gauge theory and Rasmussen's invariant
Chris Leininger[*], University of Illinois at Urbana-Champaign
   Short geodesics in moduli space
Vladimir Markovic[*], Caltech
   Essential surfaces and the simple loop conjecture in higher-dimensional hyperbolic manifolds
Richard Schwartz[*], Brown University
   The Devil's Pentagram

Meeting 47: University of Houston, February 17-19, 2012
Simon Brendle[*], Stanford University
   Uniqueness theorems for constant mean curvature surfaces
Rowland Glowinski, University of Houston
   On the nodal lines of the eigenfunctions of the Laplace-Beltrami operator for bounded surfaces in $\mathbf{R}^3$: a computational approach
Gordon Heier, University of Houston
   Effective finiteness of deformation types of non-isotrivial families
Tom Mrowka[*], MIT
   Instantons and their impact on low dimensional topology
Tom Mrowka[*], MIT
   Instanton Floer homology for trivalent graphs
Timothy Perutz, University of Texas at Austin
   The arithmetic of homological mirror symmetry
Andrew Putman, Rice University
   Representation stability, congruence subgroups, and mapping class groups
Jian Song[*], Rutgers University
   Geometric surgery by partial differential equations
Susan Tolman[*], University of Illinois at Urbana-Champaign
   Toric integrable geodesic flows in odd dimensions
Igor Zelenko, Texas A&M University
   Geometry of filtered structures on manifolds: Tanaka's prolongation and beyond

Meeting 48: Rice University, November 9-11, 2012
Matthew Bainbridge[*], Indiana University
   Effective Veech dichotomy and diagonal flows
Tom Church[*], Stanford University
   Stability in the unstable cohomology of mapping class groups, $\mathbf{SL}_n(Z)$, and $\mathbf{Aut}(F_n)$

Gavril Farkas[*], Humboldt University
  Classification of universal Jacobians over the moduli space of curves
Samuel Grushevsky[*], Stony Brook University
  Stable cohomology of the perfect cone toroidal compactification of A_g
Sarah Koch[*], Harvard University
  An analytic construction of the Deligne-Mumford compactification of the moduli space of curves
Eduard Looijenga[*], University of Utrecht
  Cohomological amplitude of moduli spaces of curves
Howard Masur[*], University of Chicago
  Winning sets for Schmidt games, badly approximable real numbers, rational billiards and geodesics in moduli space
Poster Session:
Derek Allums, Rice University and J. M. Landsberg, Texas A&M University
  Border rank of ternary trilinear forms and the j-invariant
Khek Lun Harold Chao, Indiana University
  CAT(0) spaces with boundary the join of two Cantor sets
Hyunjoo Cho, Sema Salur, and Firat Arikan, University of Rochester
  Existence of almost contact structures on manifolds with G2-structures
Thanos Gentimis and Maria Bampasidou, University of Florida
  An algebraic topology model for research and development
Sergii Kutsak, University of Florida
  Essential manifolds with extra structures
Dmitry Zakharov and Samuel Grushevsky, Stony Brook University
  Partial compactification of the zero section of the universal abelian variety
Letao Zhang, Rice University
  Representation theory and Hilbert schemes of points on K3 surfaces

Meeting 49: University of Texas at Arlington, February 10-12, 2013
Paul Bracken, University of Texas, Pan American
  A geometric approach to the study of nonlinear partial differential equations
Gueo Grantcharov[*], Florida International University
  On the HKT geometry
Sean Paul[*], University of Wisconsin, Madison
  From semi-stable pairs to K-energy maps of algebraic manifolds
Daniel Ramras[*], New Mexico State University
  Stable representation theory and families of flat bundles
Julie Rowlett[*], Max Planck Institute for Mathematics, Bonn
  Dynamics of the geodesic flow on negatively curved complete manifolds
Barbara Shipman, University of Texas at Arlington
  New perspectives on classic definitions
Stephan Stolz[*], University of Notre Dame
  Field theories and cohomology
Joseph Wolf[*], University of California, Berkeley
  Plancherel formulae associated to filtrations of nilpotent Lie groups

Joseph Wolf[*], University of California, Berkeley
  Representations of nilpotent Lie groups

Meeting 50: Texas A&M University, October 11-13, 2014

Andrei Agrachev[*], SISSA-ISAS
  Quadratic cohomology
Yakov Eliashberg[*], Stanford University
  Loose Legendrian knots and their applications
Ailana Fraser[*], University of British Columbia
  Minimal surfaces in the ball and an eigenvalue problem
Mark Green[*], UCLA
  Geometry of Mumford-Tate domains and their closures
Rostislav Grigorchuk[*], Texas A&M
  On the spaces of groups and subgroups and the concept of invariant random subgroup
Richard Hain[*],Duke University
  Modular forms and multiple zeta values
Yael Karshon[*], University of Toronto
  Distinguishing symplectic blowups of the complex projective plane
Laurent Manivel[*], Université de Grenoble
  Special lecture suitable for graduate students
  The classification of prime Fano threefolds of index one
Laurent Manivel[*], Université de Grenoble
  The periods of Fano fourfolds of degree ten
Dror Varolin[*], SUNY at Stony Brook
  L^2 extensions and the twisted method

Meeting 51: Texas Tech University, February 14-16, 2014

Richard Hind[*], University of Notre Dame
  Symplectic embeddings and isotopies
Thang Le[*], Georgia Institute of Technology
  The Habiro ring and invariants of 3-manifolds
Liviu Nicolaescu[*], University of Notre Dame
  Random Morse functions on compact manifolds
Peter Olver[*], University of Minnesota, Twin Cities
  Special lecture suitable for graduate students
  Object recognition, symmetry detection, jigsaw puzzles, and melanomas
Peter Olver[*], University of Minnesota
  Moving Frames and their applications
Richard Schoen[*], Stanford University
  Trapped surfaces and MOTS in general relativity
Susan Tolman[*], University of Illinois Urbana-Champaign
  The cohomology of quotients of Hamiltonian loop group spaces
Zhenghan Wang[*], Microsoft

Quantum Topology and its applications
Igor Zelenko, Texas A&M University
   Symplectic methods in local differential geometry of nonholonomic distributions

Meeting 52: The University of Texas, Austin, November 14-16, 2014

Danny Calegari*, University of Chicago
   Roots, Schottky semigroups, and a proof of Bandt's Conjecture
Nathan Dunfield*, UIUC
   Random knots: their properties and algorithmic challenges
Benson Farb*, University of Chicago
   The topology of the space of polynomials - Introductory talk
Benson Farb*, University of Chicago
   The topology of $\mathrm{SL}(n, \mathcal{O}_K)$ *- Research talk*
J. Elisenda Grigsby*, Boston College
   (Sutured) Khovanov homology and representation theory
Yair Minsky*, Yale University
   A relative bounded image theorem for skinning maps
Jessica Purcell*, BYU
   Cusp volumes of alternating knots
Rachel Roberts*, Washington University St. Louis
   Approximating continuous foliations by contact structures
Martin Scharlemann*, UCSB
   The Schönflies Conjecture and its spin-offs

Meeting 53: University of Houston, February 27-March 1, 2015

Cameron Gordon, University of Texas, Austin) Left-orderability and 3-manifold groups
Alastair Hamilton, Texas Tech University
   Functional integrals and pairing classes in the moduli space of Riemann surfaces.
Laura Matusevich (Texas A&M)
   A-hypergeometric solution sheaves
Lei Ni*, UCSD
   Hypersurface flow by the power of the Gauss curvature.
Colleen Robles, Texas A&M
   Characteristic cohomology of the horizontal subbundle on flag manifolds and connections to
Hodge theory
Mark Stern*, Duke University
   Introduction to nonlinear harmonic forms
Bernd Sturmfels*, UC Berkeley
   Tropical Plane Curves - Introductory talk
Bernd Sturmfels*, UC Berkeley
   The 27 *trees on a cubic surface - Advanced talk*
Steve Zelditch*, Northwestern
   Plank's constant, time, and stationary states in quantum mechanics

Meeting 54: Rice University, November 6-8, 2015

Stergios Antonakoudis*, Cambridge
  The complex geometry of Teichmuller spaces and bounded symmetric domains
Mario Bonk*, UCLA
  The quasiconformal geometry of fractals - Introductory Talk
Mario Bonk*, UCLA
  Thurston maps - Advanced talk
Marianna Csornyei*, University of Chicago
  Kakeya problem for circular arcs
Bruce Kleiner*, NYU
  PI spaces: some new examples and open problems
Vlad Markovic*, Caltech
  Harmonic maps on hyperbolic spaces
Steffen Rohde*, University of Washington
  Random metric spaces and conformal geometry
Christina Sormani*, CUNY GC and Lehman College
  Sliced filling volumes and the tetrahedral compactness theorem
Robert Young*, NYU
  Quantifying nonorientability and filling multiples of embedded curves
Poster Session:
Matthew Romney, University of Illinois at Urbana-Champagne
  Bi-Lipschitz embedding of the generalized Grushin plane in Euclidean spaces
Collins Amburo Agyingi, University of South Africa
  When the ultrametrically injective hull is separable
Thanuja Paragoda, Texas Tech University
  Willmore-type energies and Willmore-type surfaces in space forms
Timo de Wolff, Texas A&M University
  Norms of roots of trinomials
Stephen McKeown, University of Washington
  Exponential map and Einstein metrics on cornered asymptotically hyperbolic spaces
Anton Lukyanenko. University of Michigan
  Intrinsic Diophantine approximation in Carnot groups and in the Siegel model of the Heisenberg group
Mehrzad Monzavi, University of Texas at Arlington
  On fixed point property of nilpotent and solvable Lie group actions on nonpositively curved compact manifolds

Meeting 55: Texas Christian University, February 19-21, 2016

Christian Bär*, University of Potsdam
  An index theorem for compact Lorentzian manifolds with boundary
Ruth Charney*, Brandeis University
  Finding hyperbolic-like behavior in non-hyperbolic spaces
David Damanik, Rice University
  Almost periodicity in time of solutions of the KdV equation

Jonathan Hauenstein*, University of Notre Dame
Numerical computations in geometry
Tara Holm*, Cornell University
The topology of symplectic manifolds
Alejandro Uribe*, University of Michigan
Semiclassical quantum states associated to isotropic submanifolds of phase space: their calculus and applications
Guoliang Yu, Texas A&M University
Dimension and K-theory

Meeting 56: Texas A&M University, November 4-6, 2016
Anna Marie Bohmann*, Vanderbilt
Constructing equivariant cohomology
Robert Hardt, Rice University
Some analytic properties of singular spaces described by special classes of chains and cochains
Vaughn Jones*, Vanderbilt
Knots and the Thompson groups
Vaughn Jones* Vanderbilt
On some unitary representations of the Thommpson groups
Niky Kamran*, McGill
Lotentzian Einstein metrics with presribed conformal infinity
Shrawan Kumar*, UNC Chapel Hill
Verlinde dimension formula for the space of conformal blocks and the moduli of G-bundles
Shrawan Kumar*, UNC Chapel Hill
Representation ring of Levi subgroups versus cohomology ring of flag varieties
Rafe Mazzeo*, Stanford University
QFB geometry geometry and the Hitchin moduli space
Emmy Murphy*, MIT
Legendrian knots and affine varities
Thomas Schick*, U. Goettingen
Obstructions to positive scalar curvature via submanifolds of different codimension

Meeting 57: Texas Tech University, February 17-19, 2017
Josef Dorfmeister*, Technische Universität München
Harmonic maps from Riemann surfaces to k-symmetric spaces via loop groups
Irina Kogan*, North Carolina State University University
Jacobians with prescribed eigenvectors
Ryan Grady*, Montana State University
Topological invariants via local-to-global constructions of QFT
Jeff Lagarias*, University of Michigan
Configuration spaces and materials science
David Gabai*, Princeton University
Maximal cusps of low volume

Eleny Ionel[*], Stanford University
The Gopakumar-Vafa conjecture for symplectic manifolds
William Meeks[*], UMass at Amherst
Recent progress in the theory of constant mean curvature surfaces
Peter Peterson[*], UCLA
The Alekseevsky Conjecture