

# AMS Special Session on Geometry of Curves and Surfaces / Twelfth Annual Southeast Geometry Conference, March 16-18, 2001.

The special session represents this year's incarnation of the annual SouthEast Geometry Conference. It will be held at the University of South Carolina, Columbia SC on Friday, Saturday, and Sunday, March 16-18, 2001.

**SEGC funds are available to those without grant support who wish to attend the conference/special session.** Preference will be given to graduate students and other young mathematicians. It is not necessary to contribute a talk to take advantage of these funds. For more information contact Joe Fu at [fu@math.uga.edu](mailto:fu@math.uga.edu).

The full program for the AMS meeting can be found at [http://www.ams.org/amsmtgs/2048\\_special.html](http://www.ams.org/amsmtgs/2048_special.html).

Information about registration, accommodations, and the like can be found at [http://www.ams.org/amsmtgs/2048\\_other.html](http://www.ams.org/amsmtgs/2048_other.html).

More information about the SouthEast Geometry Conference is at <http://www.math.sc.edu/~howard/SEGC/>.

<b>Friday, March 16, Afternoon Session:</b>		
2:30–2:50	Thomas A. Ivey	Integrable Geometric Evolution Equations for Curves.
3:00–3:20	Alina Stancu	Evolving piecewise linear convex curves in the plane.
3:30–3:50	Eddie Fuller	Constructing Knot Isotopies with Geometric Constraints Using Holonomic Space Curves.
4:00–4:20	Joseph H. Fu	A notion of criticality for ropelength.
4:30–4:50	Rob Kusner	Ropelength, thickness and conformal modulus of links.
5:00–5:45	Jason H. Cantarella	Many knot energies are minimized by circles.
<b>Saturday, March 17, Morning Session:</b>		
8:30–8:50	Mohammad Ghomi	Skew Loops and Quadric Surfaces.
9:00–9:20	Henry C. Wente	Explicit Solutions to the $H$ -Surface Equation on Tori.
9:30–9:50	Stephanie Alexander	The Convex Hull Property and Topology of Hypersurfaces with Nonnegative Curvature.
10:00–10:45	John M. Sullivan	The Second Hull of a Knotted Curve.
<b>Saturday, March 17, Afternoon Session:</b>		
3:00–3:20	Andrejs E. Treibergs	Nonpositively curved surfaces in Euclidean Space.
3:30–3:50	Joel L. Weiner	Isometric immersions of the Euclidean plane into Euclidean 4-space.
4:00–4:20	Scott D. Pauls	Smooth minimal surfaces in the Heisenberg group.
4:30–4:50	Jie Qing	On the finite time singularities of the heat flow for harmonic maps from surfaces.
5:00–5:20	John McCuan	Continua of singular minimal graphs.
5:30–6:15	Frank Morgan	Area-minimizing Surfaces in Cones and Double Bubbles.
<b>Sunday, March 18, Morning Session:</b>		
9:30–9:50	Ralph Howard	Unfoldings of Space Curves.
10:00–10:20	Shihshu Walter Wei	Minimal Varieties and $p$ -harmonic maps.
10:30–10:50	Elisabeth M. Werner	An Analysis of Completely-Positive Trace-Preserving Maps on $\mathcal{M}_2$ .
11:00–11:20	Richard L. Bishop	Spines and Topology of Thin Riemannian 3-Manifolds.
11:30–11:50	David A. Singer	Diffeomorphisms of the Circle and Hyperbolic Curvature.
12:00–12:20	Svetlana A. Krat	On pairs of metrics invariant under a co-compact action of a group .

For more information contact one of the organizers: Mohammad Ghomi [ghomi@math.sc.edu](mailto:ghomi@math.sc.edu) or Ralph Howard [howard@math.sc.edu](mailto:howard@math.sc.edu)