

# Scott Van Thuong

---

CONTACT INFORMATION	Department of Mathematics University of Oklahoma 601 Elm Avenue Norman, Oklahoma 73019	WWW: <a href="http://www.math.ou.edu/~sthuong">http://www.math.ou.edu/~sthuong</a> E-mail: <a href="mailto:sthuong@math.ou.edu">sthuong@math.ou.edu</a> Office: (405) 325-6711 Cell: (405) 543-9469 Fax: (405) 325-7484
------------------------	---	---

---

## EDUCATION

**Ph.D. in Mathematics**, University of Oklahoma, graduating in May 2014,  
defended successfully on April 28, 2014

Dissertation: *Classification, Cobordism, and Curvature of Four-Dimensional  
Infra-Solvmanifolds*

Adviser: Kyung Bai Lee

**M.A. in Mathematics**, University of Oklahoma, May 2011

**B.S. in Mathematics and Computer Information Science**,

Missouri Southern State University, May 2009

Senior Thesis: *Exact and Simulated Annealing Algorithms for Coloring Random  
Composite Graphs*

## RESEARCH INTERESTS

### **Topology and Geometry:**

Transformation groups, especially generalized Seifert fiberings, crystallographic  
groups, and infra-solvmanifolds

Differential geometry of Lie groups

## PAPERS AND PREPRINTS

*All four-dimensional infra-solvmanifolds are boundaries*, Geometriae Dedicata,  
March 2014, doi:10.1007/s10711-014-9970-6

$Sol_1^4$ -*geometry* (with K.B. Lee), arXiv:1307.3302 [math.GT], submitted

## TEACHING EXPERIENCE

Graduate Teaching Assistant, University of Oklahoma (Fall 2009 - present)

### **Instructor of record (OU):**

College Algebra (Fall 2009, Spring 2010)

Precalculus for Business, Social, and Life Sciences (Spring 2011)

Precalculus and Trigonometry (Fall 2012, Spring 2013)

Calculus I for Business, Social, and Life Sciences (Fall 2013)

### **Teaching assistant (OU):**

Math for Critical Thinking (Spring 2012)

Calculus I (Fall 2010, Fall 2011)

**Tutor** in the OU Math Center for courses up to multivariable calculus

AWARDS AND  
HONORS

Academic Achievement Award, OU Math Department	2014
Huneke Graduate Scholarship, OU Math Department	2013
AMS Student Travel Grant, Sectional Meeting 1083	2012
College of Arts and Sciences Student Travel Grant, OU	2012
Huneke Teaching Award, OU Math Department	2011
Andree Memorial Scholarship, OU Math Department	2010
Wethington Fellowship, OU Graduate College	2009-2014
Evans Scholarship, Missouri Southern State University	2006-2009

PRESENTATIONS  
AND TALKS**Outside OU:**

$Sol_1^4$ -*geometry*, AMS Fall Southeastern Sectional Meeting, Tulane University,  
October 14, 2012

Panelist on discussion for prospective graduate students,  
TORUS Undergraduate Math Conference, University of Central Oklahoma,  
February 25, 2012

*Introduction to low dimensional topology*, MSSU Math Club,  
March 22, 2011

*Using technology and geometry with Gnuplot Software and an animation program*,  
Kansas City Regional Mathematics Technology EXPO,  
October 6, 2007

**OU Math department:**

*Morse Theory: Introduction I and II*, OU Student Topology Seminar,  
September 13 and 20, 2013

*History of the Gauss-Bonnet theorem*, OU Geometric Analysis Seminar,  
May 3, 2013

*Compact quotients of Sol I and II*, OU Student Topology Seminar,  
April 11 and 25, 2013

*Injective torus actions*, OU Student Topology Seminar,  
November 6, 2012

*Seifert fiber spaces I and II*, OU Student Topology Seminar,  
October 2 and 9, 2012

*Flat Riemannian manifolds are boundaries I and II*, OU Topology Seminar,  
October 5 and 19, 2011

*How to show a manifold is a boundary*, OU Student Topology Seminar,  
September 23, 2011

*Left invariant metrics on 3-dimensional Lie groups I and II*,  
OU Student Topology Seminar,  
December 1 and 8, 2010

## OTHER

CONFERENCES  
AND WORKSHOPS  
ATTENDED

Summer Graduate School in Algebraic Topology at MSRI, Berkeley, CA,  
June 17-28, 2013

Fall Redbud Topology Conference, University of Oklahoma,  
November 3, 2012

Midwest Geometry Conference, University of Oklahoma,  
May 12-13, 2012

Workshop on Ricci Solitons and Symmetry, University of Oklahoma,  
March 16-18, 2012

SERVICE AND  
MEMBERSHIP

Organizer, OU Student Topology/Geometry Seminar (Fall 2012 - present)

Member, American Mathematical Society (2011 - present)