

Biographical Sketch

Name: Jennifer Schultens

Professional Preparation: Ph.D., Mathematics, UC Santa Barbara, 1993.

Employment: Professor in the Department of Mathematics, UC Davis (joined in 2003).

Expertise: Low-dimensional topology with an emphasis on 3-manifolds and knot theory.

Number of Research Papers Published: 27

For a complete list of publications, please visit
<https://www.math.ucdavis.edu/~jcs/publications.html>

Students supervised:

John Nardo	Ph.D. 1998	Oglethorpe University
Maria Robinson	Ph.D. 2000	University of Seattle
Heather Garten	Ph.D. 2005	Accounting, Atlanta
William Nickel	M.A. 2000	Accounting, Boston
Hannes Koch	M.A. 2003	Freie Universität Berlin
Jennifer Lopez (MURPPS)	B.A. 2007	CSU San Francisco
Alice Stevens	Ph.D. 2009	CC San Francisco

Current Students: Andrew Alameda, Neetal Neel (Ph.D. program)

Current Postdoctoral Student: Joshua Howie

NSF grants: DMS-9803826 (1998-2001), DMS-0203680 (2002-2005),
DMS-0603736 (2006-2009), DMS-0905798 (2009-2013)

Summer schools featured speaker:

“Knots, Surfaces, the Curve Complex, Foliations, and all that,” Summer school lecture series,
IAS (Institute for Advance Study, Princeton, NJ, May 2008).
“Biology, Analysis, Geometry, Energy and Links (BAGEL), Summer school lecture series,
IMA (Institute for Mathematics and Applications), Minneapolis, MN, June 2019.

Talks since promotion to Professor:

Invited speaker, Oberseminar Topologie, Max-Planck-Institut, Bonn, Germany, July 2006.
Invited speaker, Oberseminar Topologie, Max-Planck-Institut, Bonn, Germany, October 2006.
Presenter, Workshop on 3-manifold geometry and topology Workshop on Hyperbolic structures on 3-manifolds and large scale geometry of Teichmüller space, Warwick, UK, July 2007.
Invited speaker, Pitzer College, Claremont, CA, November 2007.
Presenter, Cascade Topology Seminar, Chico, CA, May 2008.
Presenter, Geometric Topology in Dimensions 3 and 4 (in honor of M. Scharlemann), Davis, CA, June 2009.
Invited speaker, Oberseminar Topologie, Max-Planck-Institute für Mathematik, Bonn, Germany, November 2009.
Invited speaker, Colloquium, Univ Nevada, Reno, NV, April 2010.
Presenter, AMS-SMM Conference, Berkeley, CA, June 2010.
Invited speaker, Topology Seminar, Berkeley, CA, Oct 2010.
Presenter, Spring Opportunities, MSRI, Berkeley, CA, June 2012.
Presenter, AMS-SMM Joint Meeting, Mexico City, Mexico, March 2012.
Presenter, AWM Symposium, Santa Clara, CA, March 2013.
Presenter, AMS Sectional Meeting, Boston, MA, April 2013.
Presenter, AMS Sectional Meeting, Iowa State University, Ames, IA, April 2013.
Invited speaker, Oberseminar Topologie, Max-Planck-Institut, Bonn, Germany, December 2013.
Invited speaker, Oberseminar, Max-Planck-Institut, Bonn, Germany, December 2013.
Presenter, Georgia Topology Conference, Athens, GA, May 2014.
Presenter, AMS Conference, SF State, SF, CA, October 2014.
Presenter, AMS Sectional Meeting, Las Vegas, NV, April 2015.
Invited speaker, KIAS (Korean Institute for Advanced Study), Seoul, Korea, May 2015.
Presenter, 11th William Rowan Hamilton Conference, Dublin, Ireland, August 2015.
Presenter, AMS Sectional Meeting, Minneapolis, MN, October 2016.
Invited address, Spring Topology and Dynamics Conference, Auburn, AL, March 2018.
Invited speaker, Topology seminar, UCSB, Santa Barbara, CA, April 2018.
Invited speaker, Topology seminar, UNL, Lincoln, NE, April 2018.
Invited speaker, OIST (Okinawa Institute for Science and Technology), Okinawa, Japan, February 2019.
Presenter, Georgia Topology Conference, Athens, GA, May 2019.
Presenter, Conference, IMA (Institute for Mathematics and Applications), Minneapolis, MN, June 2019.
Lightning talk, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach, Germany, February 2020.
Presenter, Redbud Topology Seminar, UARK, Fayetteville, AR, March 2020.

Conference organizer:

Organizer, AMS-SMM Conference Special Session on Low-Dimensional Topology, Zacatecas, Mexico, May 2007.
Organizer, “Triangulations, Heegaard splittings and hyperbolic geometry,” Organizer, AIM (American Institute of Mathematics), Palo Alto, CA, December 2007.
Organizer, “Knots, Surfaces, 3-manifolds”, BIRS Oaxaca, Mexico, June 2021.
Organizer, AMS Conference Special Session on Complexity in Low-Dimensional Topology, Fresno, CA, May 2023 (rescheduled from May 2020).

Service (External):

AMS Western Sectional Program Committee (2008-2010).
AMS Member-at-Large (2011-2013).
AMS Committee on the Profession (2011-2013).
Reviewing (AMS-Mathscinet).
NSF Panel Participant (February 2003, February 2007, February 2011, December 2019).
Refereeing (Journal of Topology, Geometry & Topology, Canadian Math. Bull., Topology and its Applications, Journal of Knot Theory and its Ramifications, Math Proc Camb Phil Soc, Geometriae Dedicata, Algebraic and Geometric Topology, Michigan Math Journal, Pacific Journal, Journal of Symbolic Computation, Proceedings of the London Math Soc, Journal of Math Soc of Japan, Japan Soc. for the Promotion of Science, Oxford J. of Math.
Member and co-chair, JCW (Joint Committee on Women), 2019-2022.
Judge, AWM poster session, JMM (Joint Meetings of Mathematical Sciences), Denver, CO, January 2020.

Service (University):

Winslow-Gilhooly Awards Committee (Spring 2006, Spring 2007).
Letters & Science College Assembly Elected Representative (2006-2008, 2010-2012, 2019-2022).
Academic Senate Elected Representative (2011-2013).
Educational Policy Committee, a subcommittee of Graduate Council (2007-2009).
Graduate Fellowship applications evaluator (2015-2016).
Committee for Undergraduate Commencement (2016-2017).
Committee member CFCAC (Child and Family Care Action Committee, 2018-2019).
UC Davis Grad Slam Judge (2019).
CUSHP (Committee on Undergraduate Scholarships, Honors, Prizes) Member (2019-2020).

CIE (Committee on International Education) Member (2019-2020).

Service (Departmental):

Undergraduate Program Committee (2010-2011, 2019-2020).

Graduate Program Committee (2006-2007).

Geom Top Seminar (Winter 2007, Spring 2007, Spring 2008, Spring 2009, Winter 2010, Spring 2012, Fall 2015, Winter 2018).

Faculty Search Committee Member (2012-2013, 2014-2015).

Newsletter Committee (2007-2008).

Representative to the Library (2011-2012).

Events and Displays Committee Member (2012-2014, 2015-2016, 2017-2018) and Chair (2016-2017).

KAP (Krener Assistant Professorship) Search Committee Chair (2018-2019).

Faculty Research Seminar Organizer (2019-2020).

Qualifying Exam Committees (Rohit Thomas, Bassem Saad, George Mossessian, Xiang He, Shuang Ming, Shawn Witte, Wen Liu (Chair), Patrick Weed).

Thesis Committees (Robin Wilson, Fabiola Manjarrez-Gutierrez, Alice Stevens, Chan-Ho Suh (Chair), Mike Williams, Dan Rutherford, Marion Moore (Chair), Rohit Thomas, Matthew Rathbun, Bassem Saad, Carson Rogers, George Mossessian, Patrick Weed).