

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: 30

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 (emerita)
Heather Garten	Ph.D. 2005	Embry Riddle University
William Nickel	M.A. 2000	Accounting, Boston
Hannes Koch	M.A. 2003	Freie Universität Berlin
Jennifer Lopez (MURPPS)	B.A. 2007	Air Force
Alice Stevens	Ph.D. 2009	CC San Francisco
Andrew Alameda	Ph.D. 2022	Lecturer UC Davis
Joshua Howie	Postdoc (2019-2022)	Monash University
Nicholas Cazet	Ph.D. 2024	Real Estate

Current Students: David Tu, Peyton Wood, Hannah Moon, Ally Nagasawa-Hinck, Josiah Cowin

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.

Presenter, Virtual Trisections Seminar, Zoom, April, 2021.
 Invited Speaker, Boise State University (via Zoom), October 2021.
 Invited Speaker, UNAM (via Zoom), March 2022.
 Presenter, AMS Central Sectional Meeting, Originally planned for Purdue University,
 but moved online due to COVID-19 restrictions, March 2022.
 Invited Speaker, IMSA, University of Miami, February 2023.
 Invited Speaker, Merida, Mexico, December 2023.
 Invited Speaker, Rutgers University, Newark, March 2024.

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 hybrid, Mexico, June 2021.
 Organizer, Special Session on Knots, Surfaces, 3-manifolds, Mathematical Congress of the
 Americas (MCA2021), originally scheduled for Buenos Aires, Argentina,
 but moved online due to COVID-19 restrictions.
 Organizer, AMS Conference Special Session on Complexity in Low-Dimensional Topology,
 Fresno, CA, May 2023 (rescheduled from May 2020).
 Organizer, “Low-dimensional manifolds”, Special Session at Joint Mathematics Meetings (JMM),
 Originally scheduled for Seattle, WA but rescheduled and moved online due to
 COVID-19 restrictions.
 Organizer, “Knots, Surfaces, 3-manifolds”, BIRS Oaxaca hybrid, Mexico, June 2023.

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-present.
Judge, AWM poster session, JMM (Joint Meetings of Mathematical Sciences), Denver, CO,
January 2020, 2021, 2022, 2023, 2024.
NSF panelist, 2020, 2021, 2024.

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 (2019-2022).
CIE (Committee on International Education) Member (2019-2023), Chair (2021-2023).
PPFP shadow panelist, 2022-2024.

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).
QE and Thesis Committees (Rohit Thomas, Bassem Saad, George Mossessian, Xiang He,
Shuang Ming, Shawn Witte, Wen Liu (Chair), Patrick Weed, Robin Wilson,
Fabiola Manjarrez-Gutierrez, Alice Stevens, Chan-Ho Suh (Chair), Mike Williams,
Dan Rutherford, Marion Moore (Chair), Matthew Rathbun, Bassem Saad, Yonggyu Lee,
Carson Rogers, George Mossessian, Shawn Witte, Andrew Alameda, David Tu, Ian Sullivan,
Neetal Neel, Nicholas Cazet, Peyton Wood, Trevor Oliveira-Smith, Daniela Cortez-Rodriguez).