

Stephanie van Willigenburg

Professor of Mathematics at University of British Columbia

Vancouver, BC, CA

Researcher, mentor, educator. Bringing balance to the equation.

Biography

Steph van Willigenburg obtained her BSc Hons (1994) and PhD (1998) from the University of St Andrews, Scotland. From there she did postdoctoral fellowships at York University and Cornell University, before taking up an Assistant Professorship at the University of British Columbia, Canada in 2002. Rising through the ranks she is now Professor of Mathematics there. Her awards for research include the Krieger-Nelson Prize, fellowships from the Leverhulme Trust and the Alexander von Humboldt Foundation, and she has won a Killam Award for her teaching. She is also one of the co-founders and organizers of the Algebraic Combinatorixx workshops at the Banff International Research Station to foster mentoring, collaborations and networking for women in algebraic combinatorics and related areas.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Mathematics, Combinatorics, Representation Theory, Women in STEM, Women in Mathematics

Event Appearances

Not wired that way

2020 UBC Young Women for STEM

An introduction to quasisymmetric Schur functions.

2016 Plenary speaker, AMS Spring Western Sectional Meeting.

A tour of quasisymmetric Schur functions.

2015 Plenary speaker, FPSAC 2015.

Education

University of St Andrews

PhD Mathematics

Accomplishments

2023 Fellow of the American Mathematical Society

International Award for contributions to algebraic combinatorics, mentorship and exposition, and inclusive community building.

2017 Krieger-Nelson Prize

National prize for exceptional research by a female mathematician.

2013 Renewed Research Award, Alexander von Humboldt Foundation.

International award for experienced researchers allowing you to carry out short-term research in Germany.

2008 Humboldt Research Fellowship, Alexander von Humboldt Foundation

International award for experienced researchers allowing you to carry out long-term research in Germany.

2007 Killam Teaching Award, UBC

For outstanding contributions made in teaching for faculty in Science at UBC.

2004 Peter Wall IAS Early Career Scholar

Wall Scholars are chosen among leading UBC researchers from all academic disciplines, with the objective of creating a dynamic and diverse intellectual community at the Institute.

2002 University Faculty Award, NSERC

The NSERC University Faculty Awards Program was designed to increase the representation of women and Aboriginal peoples in faculty positions in the natural sciences and engineering by encouraging Canadian universities to appoint promising researchers in those groups to tenure track positions.

1997 Leverhulme Trust Study Abroad Scholar, Leverhulme Trust.

Fellows spend a period of 12 to 24 months on advanced study or research at a centre of learning in any overseas country.

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