Paul Seymour – Curriculum Vitae

Education:

B.A., Oxford University (Exeter College), 1971.

M.Sc., Oxford University, 1972.

D.Phil., Oxford University, 1975. Thesis: "Matroids, hypergraphs and the max.-flow min.-cut theorem" (A. W. Ingleton, supervisor).

M.A., Oxford University, 1975.

Positions:

1974–1976: University College of Swansea, College Research Fellow.

1976–1980: Merton College, Oxford, Junior Research Fellow.

1978–1979: University of Waterloo, Visiting Research Associate.

1980–1983: Ohio State University, Associate & Full Professor.

1984–1996: Bellcore, Member of Technical Staff and Senior Scientist.

1984–1987: Rutgers University, Adjunct Professor.

1988–1993: University of Waterloo, Adjunct Professor.

1995–1996: Princeton University, Visiting Professor.

1996–present: Princeton University, Professor of Mathematics.

2020–26: Oxford University, Visiting Professor.

Editorships:

Editor-in-Chief for *Journal of Graph Theory* (joint with Carsten Thomassen).

Editor for *Journal of Combinatorial Theory, Ser. B*, and *Combinatorica.*

Awards and Honours:

1979: D. R. Fulkerson Prize.

1983: G. Polya Prize.

1983: Sloan Fellowship.

1994: D. R. Fulkerson Prize (joint with N. Robertson & R. Thomas).

2004: Ostrowski Prize.

2004: G. Polya Prize (joint with N. Robertson).

2006: D. R. Fulkerson Prize (joint with N. Robertson).

2008: honorary doctorate (D. Math.) from University of Waterloo.

2009: D. R. Fulkerson Prize (joint with M. Chudnovsky, N. Robertson & R. Thomas).

2013: honorary doctorate (doctor technices, honoris causa) from the Technical University of Denmark.

2016: appointed Albert Baldwin Dod Professor of Mathematics.

2019: Commemorative Medal of Comenius University.

2019: appointed Visiting Professor at the University of Oxford.

2022: appointed Fellow of the Royal Society.

2022: honorary doctorate (doctor honoris causa) from ENS Lyon.

Patents:

1996: U.S. patent number 5533016, "Communications network ring router" (joint with Bill Cook).

2004: U.S patent number 7082401, "Digital subscriber line network deployment method" (joint with C. Behrens, T. Carpenter, M. Eiger, H. Luss, G. Seymour).

Graduate students:

Guoli Ding (1988–1991), "The immersion relation on webs".

Matthew Devos (1996–2000), "Flows on graphs".

Thor Johnson (1998–2002), "Eulerian digraph immersion".

Maria Chudnovsky (2000–2003), "Berge trigraphs and their applications".

Eli Berger (2000–2004), "Topological methods in matching theory".

Sang-Il Oum (2001–2005), "Graphs of bounded rankwidth".

Michael Lohman (2002–2005).

Blair Sullivan (2003–2008), "Extremal problems in digraphs".

Melody Chan (2006–2008).

Alexandra Fradkin (2006–2011, joint with M. Chudnovsky), "Forbidden structures and algorithms in graphs and digraphs".

Ilhee Kim (2008–2013), "On containment relations in directed graphs".

Ringi Kim (2011–2016), "On unavoidable graphs and tournaments".

Katherine Edwards (2011–2016), "On edge colouring, fractionally colouring and partitioning graphs".

Gregory Gauthier (2012–2017), "Graphs with no cycle length divisible by three".

Sophie Spirkl (2014–2018, joint with Maria Chudnovsky), "Cliques, stable sets and coloring in graphs with forbidden induced subgraphs".

Linda Cook (2016–2021), "On recognition algorithms and structure of graphs with restricted induced cycles".

Tung Nguyen (2020–present).

Yaqian Tang (2022–2023, joint with M. Chudnovsky)

January 21, 2024