

## 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.

### 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 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–present, joint with M. Chudnovsky)

January 25, 2023