

2017 Hall Medal awarded to Daniel Horsley

Dr. Daniel Horsley is a research leader of international standing in the area of graph decompositions and combinatorial design theory. Graph decomposition is an important area of combinatorics, with connections to graph theoretic problems, the existence of many types of combinatorial designs, and a range of applied problems. Dr. Horsley's body of influential results includes breakthrough proofs of Lindner's Conjecture (with Bryant) and Alspach's conjecture (with Bryant and Pettersson). These famous conjectures had been open for approximately 40 years, and had thwarted many prior solution attempts by experts in the field. Dr. Horsley's achievements have variously been characterised as notable, remarkable, impressive, and highly innovative, and he is in demand as a plenary speaker worldwide.