2012 Hall Medal awarded to Michael Giudici

Michael Giudici has made outstanding contributions to our knowledge about permutation groups and their actions on various combinatorial structures. In a sequence of six joint papers in 2004–2007, Michael developed a global approach to the study of locally s-arc-transitive graphs, leading to a powerful theoretical framework for studying this large class of graphs, and opening the way to applying the simple group classification. Michael's achievements include: constructions of surprising new infinite families, unexpected new kinds of group amalgams, and complete classifications in some cases. Michael has made substantial progress towards a proof of the Polycirculant Conjecture, with his work being acknowledged as the most important on the subject to date. Michael is sought-after to give invited lectures at conferences internationally.