Preface

The 3rd International Workshop on Euler Diagrams (Euler Diagrams 2012) was held in Canterbury, UK on 2nd July 2012 in conjunction with the 7th International Conference on the Theory and Application of Diagrams (Diagrams 2012).

Euler diagrams represent relationships between sets, including intersection, containment, and disjointness. These diagrams have become the foundations of various visual languages and have notably facilitated the modelling of, and logical reasoning about, complex systems. Over the years, they have been used extensively in areas such as biosciences, business, criminology and national security to intuitively visualize relationships and relative cardinalities of sets. This widespread adoption has allowed analysis of complex collections of data.

Euler Diagrams 2012 covered all aspects of Euler diagram research, particularly in areas such as logic and reasoning, drawability, generation and layouts, readability and aesthetics, information visualization and data exploration, and evaluation including comparison to other representations. After two successful workshops in 2004 and 2005, this third Euler Diagrams workshop once again brought together researchers with diverse backgrounds. Participants from both academia and industry included: mathematicians; computer scientists; experts in visualization, human-computer interaction and artificial intelligence; information designers; and users from various application areas.

Euler Diagrams 2012 solicited long and short papers, of which we accepted eight long papers and one short paper. Every submission was reviewed by three members of the Program Committee who are experts in the relevant topics. In addition to the paper presentations, we were privileged to have Tim Dwyer from Microsoft Corportion, USA to give a keynote talk on "Developing a Visual Code-dependency Analysis Tool for the Visual Studio IDE: Research Meets Practice in Showing Containment in an Interactive Diagramming Tool".

June 2012   Peter Chapman
Luana Micallef