May 18-22, 2015

Graphical Models, Statistical Inference, and Algorithms (GRAMSIA)

Graphical models are used and studied within a variety of disciplines of computer science, mathematics, and statistics. The purpose of this workshop is to highlight various mathematical questions and issues associated with graphical models and message-passing algorithms, and to bring together a group of researchers for discussion of the latest progress and challenges ahead. In addition to the substantial impact of graphical models on applied areas, they are also connected to various branches of the mathematical sciences. Rather than focusing on the applications, the primary goal is to highlight and deepen these mathematical connections. Given the range of these connections, the area has great promise for growth.