



THE FIELDS INSTITUTE

WORKSHOP ON MAKING MODELS

AUGUST 5 - 9, 2014 • FIELDS INSTITUTE

PLENARY SPEAKERS

Robert Connelly (Cornell)
Walter Whiteley (York)

PUBLIC LECTURE

Tibor Jordan (Eotvos Lorand)

INVITED SPEAKERS

Sarah Greenwald (Appalachian)
David Henderson (Cornell)
Derek Kitson (Lancaster)
Carl Lee (Kentucky)
Audrey Lee-St. John (Holyoke)
Nora Newcombe (Temple)
Viet-Hang Nguyen (Grenoble)
Tony Nixon (Bristol & York)
Yukari Okamoto (California)
Stephen Power (Lancaster)
Meera Sitharam (Florida)
Louis Theran (FU Berlin)

FRIDAY PANEL

Cathy Bruce (Trent)
Donna Kotsopoulos (Wilfrid Laurier)
Joan Moss (Toronto)
Walter Whiteley (York)

DG LEADERS

Ben Braun (Kentucky)
Katherine Mackrell (London)
John Owen (Cambridge)
Michael Thorpe (Arizona)

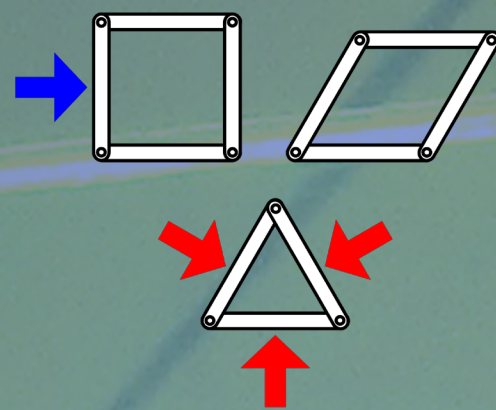
STIMULATING RESEARCH IN RIGIDITY THEORY AND SPATIAL-VISUAL REASONING

The aim of this workshop is to bring together researchers in the fields of rigidity theory and mathematics education to make models, share research using or inspired by models, and reflect on pedagogical elements of model-making and model-use. The workshop is inspired by the distinguished career of Professor Walter Whiteley who has made important contributions to both discrete geometry and mathematics education, and whose passion for the use of models informs his research in both fields. Through this conference we hope to both celebrate the contributions and directions of his work, while also pushing forward to explore the new frontiers of these research disciplines.

The first part of the workshop will bring together leading experts in the field of rigidity theory to share new research and work on open problems. The second part of the workshop will focus on key issues in education research and practice that connect to the mathematical content and thinking processes inherent in rigidity theory, with specific attention to visual and spatial reasoning in and for school and post-secondary mathematics. All attendees are warmly invited to participate in both parts of the workshop.

ORGANIZING COMMITTEE

Stewart Craven (OSC & York)
Wendy Finbow-Singh (St. Mary's)
Ami Mamolo (Ontario)
Elissa Ross (Worcester)
Bernd Schulze (Lancaster)
Adnan Sljoka (Colorado & Ryerson)



For more information and to register, please visit:

www.fields.utoronto.ca/programs/scientific/14-15/making_models



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