



THE FIELDS INSTITUTE

AVNER MAGEN MEMORIAL LECTURE

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Lift-and-project systems for combinatorial optimization problems: More than a decade of fascinating positive and negative results

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In this talk I will review the area of lift-and-project systems. After a self-contained and high level introduction to the systems, I will discuss a number of applications, trying to distill the main ingredients of this algorithmic tool. At the same time I will try to expose its weaknesses along with the challenges that are involved in showing positive and negative results. The exposition will be based on numerous fascinating results of the last decade or so.



ABOUT AVNER MAGEN

Avner Magen was tragically killed in a climbing accident in Alaska on May 29th, 2010. Avner was a beloved and devoted father, husband and son; a terrifically warm, funny, and energetic person; a brilliant and creative researcher; and a wonderful friend and colleague.

For more information, please visit:

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