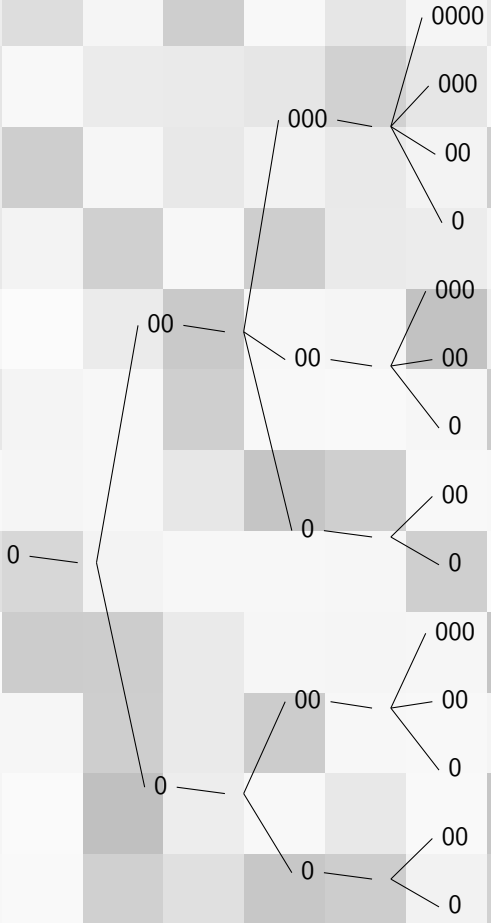
ICECA

International Conference
Enumerative Combinatorics and Applications
University of Haifa – Virtual

September 6-7, 2022



$$\mathbf{A(t;v)} = \frac{\mathbf{x}}{\mathbf{1-v}} + \frac{\mathbf{x}}{\mathbf{v}}(\mathbf{A(t;v)} - \mathbf{A(t;0)}) + \frac{\mathbf{x}}{\mathbf{1-v}}\mathbf{A(t;v)}$$

$$\mathbf{A(t;0)} = \mathbf{C(x)} - \mathbf{1} = \frac{\mathbf{1-2x-\sqrt{1-4x}}}{\mathbf{2x}}$$

$$\mathbf{A(t;0)} = \sum_{\mathbf{n\geq 1}} \frac{\mathbf{1}}{\mathbf{n+1}}\binom{\mathbf{2n}}{\mathbf{n}}\mathbf{x^n}$$

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HOMEPAGE OF ICECA

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INVITED SPEAKERS

Sylvie Corteel – University of California
Pamela Harris – Williams College
Ilias Kotsireas – Wilfrid Laurier University
Marni Mishna – Simon Fraser University
Greta Panova – University of Southern California
Peter Paule – Johannes Kepler Universität Linz
Yuval Roichman – Bar-Ilan University
Richard Stanley – Massachusetts Institute of Technology
Einar Steingrímsson – University of Strathclyde
Bridget Tenner – DePaul University
Adam Van Tuyl – McMaster University
Doron Zeilberger – Rutgers University

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Enumerative combinatorics is a dynamic subfield of the mathematical sciences with many challenging research problems, ingenious and sophisticated techniques, and important applications in various scientific fields. Enumeration has meaningful connections with other subjects of mathematics and scientific disciplines. Questions from a wide range of different fields, including algebra, topology, probability, computer science, physical, chemical and biological sciences, have some surprising hidden combinatorial structures that require enumerative methods for their solution. The purposes of this conference are

- to highlight the recent significant theoretical advances in enumerative and analytic combinatorics;
- to showcase the important new applications of enumerative combinatorics to problems arising in other scientific disciplines;
- to discuss new questions, ideas, and methods of an enumerative nature from numerous scientific areas;
- to bring together researchers of various backgrounds and experience from several fields whose research utilizes or touches upon enumerative techniques.

ORGANIZERS

Chair Toufik Mansour – University of Haifa
Mark Dukes – University College Dublin
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Alek Vainshtein – University of Haifa
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