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אוניברסיטת בן-גוריון בנגב
ת.ד. 653 באר-שבע 84105

פרופ' מרים כהן

ראש המרכז ללימודים מתקדמים במתמטיקה
המחלקה למתמטיקה
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**The Department of Mathematics and the Center of Advanced Studies in Mathematics
announce a special meeting to mark the award of
the Gauchman excellence scholarship and the Noriko Sakurai fellowship for the year 2019**
Tuesday, May 21 at 12:30 at the Deichmann building for Mathematics (58), Seminar room -101

Program:

12:30-14:00   Lunch

14:00   Opening remarks:

  Prof. Miriam Cohen,
  Director of the Center of Advanced Studies in Mathematics

  Prof. Daniel Sternheimer,

  Rikkyo (Japan) and Bourgogne (France) Universities

  Ms. Julia Gauchman, on behalf of Gauchman family

14:15   Honorary lecture:

  Prof. Sergey Fomin, University of Michigan
  Title: Cluster transformations
  Abstract: Cluster transformations are a surprisingly ubiquitous family of algebraic
  recurrences. They arise in diverse mathematical contexts, from representation theory and
  enumerative combinatorics to mathematical physics and classical geometry (Euclidean,
  spherical, or hyperbolic). I will present some of the most basic and concrete examples of
  cluster transformations, and briefly discuss their remarkable properties such as periodicity,
  integrability, Laurentness, and positivity.

15:10   Dr. Assaf Hasson, Introducing the recipient of the Noriko Sakurai prize

15:15   The 2019 Noriko Sakurai fellowship award ceremony and a lecture
  by *Dr. Yatir Benari Halevi*, recipient of the Noriko Sakurai fellowship
  Title: Strongly Dependent Valued Fields
  Abstract: A valued field is a field together with an ultrametric, much like the field of p-adic
  numbers. Strongly dependent valued fields are valued fields whose collection of sets
  definable by first order formulas enjoy a nice model theoretic combinatorical property
  called strong dependence. A standing conjecture on strongly dependent valued fields is that
  they must be henselian .We review the notions and the conjecture.

15:25   Prof. Ariel Yadin, Introducing the recipient of the Hillel Gauchman fellowship

15:30   The 2019 Hillel Gauchman excellence scholarship ceremony and a lecture
by *Mr. Idan Perl*, recipient of the Hillel Gauchman fellowship
Title: Harmonic functions on groups
Abstract : Harmonic functions are classical objects in the study of mathematical physics. They appear naturally as a solution to certain differential equations, and have far reaching implications in the study of stochastic processes. My research focuses on harmonic functions on groups, an exploration that reveals profound connections between algebraic, geometric and analytic properties of the underlying mathematical structure.

You are cordially invited

Professor Miriam Cohen and Professor Ilan Hirshberg