Enumerative Combinatorics and Applications

Editorial

This is the inaugural issue of the recently established journal: Enumerative Combinatorics and Applications (ECA). We feel we owe some welcoming words to the community of researchers in general and combinatorialists in particular.

Inspiration - A half-century ago enumerative combinatorics was considered to be mostly a collection of isolated results and methods, mainly originating with Euler. Since then enumerative combinatorics has been transformed into a rich and important research area in mathematics, partly due to its deep connections with other fields of research. Pioneering work of Stanley, especially the two-volume *Enumerative Combinatorics*, and of Flajolet and Sedgewick's *Analytic Combinatorics* helped to shape and popularize the field. (See also Bóna's *Handbook of Enumerative Combinatorics* and Goulden and Jackson's *Combinatorial Enumeration*.)

Aims - ECA was established to publish high quality papers whose ideas provide close and deep relation to enumeration.

When discussing and arranging ideas for the journal we focused on several points, from which we emphasize the following:

- Provide the community with a journal with high quality research with enumeration in the center.

- Help amplifying the trend of high quality research in enumerative combinatorics by providing a medium dedicated to this exciting field of mathematics and making it publicly available and free of charge to all researchers across the globe.

Scope - The scope of ECA includes enumerative aspects of combinatorial structures and their connections to various areas of mathematics (linear algebra, probability theory, complex analysis, commutative algebra, representation theory, algebraic geometry, algebraic topology), physics, chemistry, computer science, etc. Besides the contemporary ongoing research, we appreciate very much the history of Enumeration. Thus in each volume, we will have a dedicated paper to an outstanding mathematician that contributed to enumeration. And there was no doubt to us that the first volume should begin with Master of all of us 'Euler'. ECA will also publish occasional high quality reviews and surveys.

Support - The community related to the scope of the journal welcomed the idea of its establishment. We received an overwhelming number of supportive emails and messages. The majority of researchers we invited to be part of the board have already agreed to join us. We believe that together with authors submitting their best work, we will maintain this project for a long time to come.

At the end, there is nothing more we can say, but to openly invite all of you to submit your work to ECA.