

The 8th International Conference on Lattice Path Combinatorics and Applications
(August 17 – 20, 2015, California Polytechnic State University Pomona, CA)

Title: **Tutorial on Non-intersecting Lattice paths, Classical Group Characters and Multivariate (basic) Hypergeometric Series**

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ABSTRACT: I shall explain how to use non-intersecting lattice paths to derive identities for (basic) hypergeometric series associated to root systems, also touching upon connections to classical group characters. This will be a survey of old and new work of several authors.