

Multiple Askey–Wilson polynomials and related multiple orthogonal polynomials**05.13****Walter Van Assche***(Katholieke Universiteit Leuven, Belgium)***Time:** Tuesday 23.07., 15:30 - 16:00, Room HS 3

Abstract: We first show how one can obtain Al-Salam–Chihara polynomials, continuous dual q -Hahn polynomials, and Askey–Wilson polynomials from the little q -Laguerre and the little q -Jacobi polynomials by using special transformations. This procedure is then extended to obtain multiple Askey–Wilson, multiple continuous dual q -Hahn, and multiple Al-Salam–Chihara polynomials from the multiple little q -Laguerre and the multiple little q -Jacobi polynomials.

This is joint work with Jean Paul Nuwacu (Université du Burundi)