

---

**MAXIMILIAN TORNES**, University of Manitoba

*Weighted composition operators on Hilbert function spaces on the ball*

A weighted composition operator on a reproducing kernel Hilbert space (RKHS) is given by a composition, followed by a multiplication. We characterize unitary and co-isometric weighted composition operators on large class of RKHS of holomorphic functions on the Euclidean unit ball of  $\mathbb{C}^n$ . This extends results of Martín, Mas and Vukotić from the disc to the ball. This is joint work with Michael Hartz.