HEINZ BAUSCHKE, UBC Kelowna
On the minimal displacement vector and a recent question by Simons on the Gossez operator

This talk consists of two parts.

After reviewing relevant monotone operator theory, I will first report on recent progress on the minimal displacement vector for compositions and convex combinations of nonexpansive mappings.

The second part provides a resolution (and more!) to Stephen Simons's problem on the nonconvexity of the range of the sum of the Gossez operator and multiples of the duality mapping.

Based on recent joint works with Walaa Moursi (University of Waterloo) and Shawn Wang (UBC Kelowna)