

Stephen Simons

Stephen Simons has authored or co-authored more than 100 publications, including 3 books. His research interests include a variety of areas of Functional Analysis, and his work has left many deep results. These include numerous key works on minimax theorems, the “Simons inequality” in the context of bounded-convergence theorems, and his more recent focus on Convex Analysis and Monotone Operator Theory, to name just a few. His work has been a driving force behind the still on-going revolution in Monotone Operator Theory, through his many deep and elegant papers demonstrating an insightful and exciting use of Fitzpatrick functions. His latest book from 2008, “From Hahn-Banach to Monotonicity”, is a milestone in modern Monotone Operator Theory. It presents the state of the art, and introduces many new techniques and constructions, including the since-termed “Simons space”. His list of open problems has focused the research efforts of the entire community and was instrumental in the renaissance of Monotone Operator Theory.

Last but not least, within the Monotone Operator research community, we are very fortunate to know Stephen as an incredibly generous and encouraging human being, who continues to mentor the younger community members, and to deeply inspire us all.

Heinz Bauschke and Michel Théra