The jury has selected as the best PhD thesis of 2016 the thesis of Dr.Ir. J. (Jaron) Sanders from the department of Mathematics & Computer Science.

His thesis is entitled ‘Stochastic optimization of large-scale complex systems’

Eindhoven, 12 April, 2017

Prof.Dr.Ir. A.C. Brombacher (chair)
Prof.Dr. K.A.H. Leeuwen
Prof.Dr.Ir. A.B. Smolders

A committee, consisting of professors Ton van Leeuwen, Bart Smolders and Aarnout Brombacher, was given the task of selecting one out of the eight nominations for this year’s “best PhD award”. The committee selected the winner from a truly impressive array of nominations.

Jaron Sanders defended his thesis on 28 January, 2016, within the Mathematics and Computer Science department, resulting in the cum laude judicium.

Jaron's work applies a high-level, fundamental theoretical approach to related problems in two disciplines, mathematics and physics, building on the expertise of his simultaneously obtained cum laude MSc degrees in both fields. His PhD work resulted in high-impact publications in prestigious journals in both fields. Furthermore, the relevance of his work for applications ranges from the optimization of cell phone networks to the engineering of quantum systems for computing purposes.

The combination of the interdisciplinary nature of the work, Jaron's innovative approaches, thorough fundamental theory and potential impact on society prompted the jury to select his thesis as best PhD thesis of 2016.