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Sommario/riassunto	Many fundamental processes in physics involve transport and the

spectacular progress in the control and engineering of matter at the nano-scale has meant that new regimes of wave transport have been the subject of great interest in recent decades. This book presents a collection of contributions from speakers and lecturers at the CLXXIII International School of Physics ""Enrico Fermi,"" held in Varenna, Italy, in June 2009. Different aspects of wave transport were covered during the school, from electrons to light propagation and from sound to ultra-cold atoms. The school was characterized by