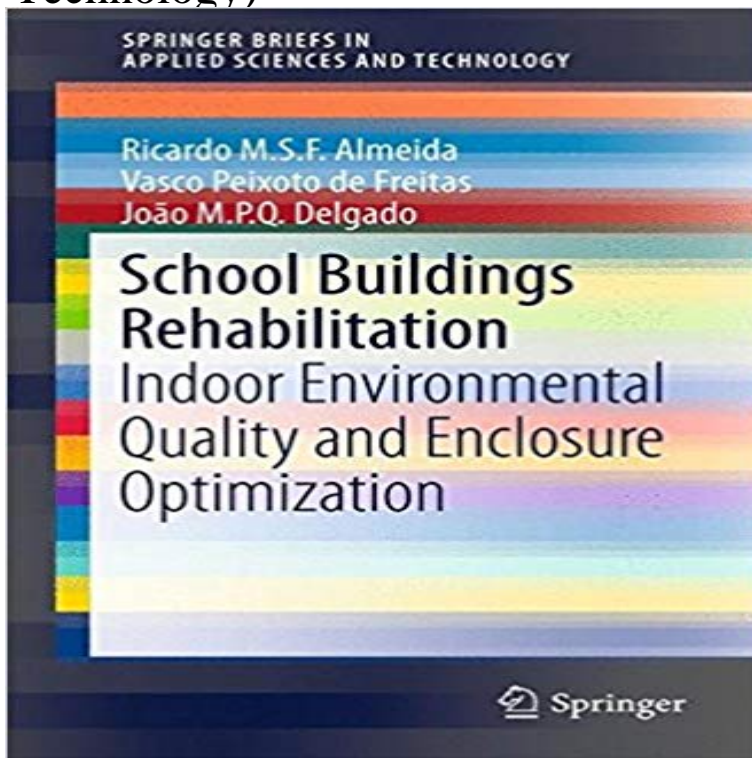


School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology)



This book discusses the effect of different school building rehabilitation strategies on the classrooms indoor environmental quality (IEQ) and presents a multi-objective methodology for school building enclosure optimization combining artificial neural networks and lifecycle costs. The special features of this book are that it (a) presents the state-of-the-art in school building rehabilitation, (b) covers the IEQ assessment of several school buildings, including non-rehabilitated and rehabilitated according to different strategies; and (c) proposes a multi-objective optimization procedure. The rehabilitation of a school building should be regarded as a procedure combining a number of (sometimes conflicting) variables and objectives, including energy, IEQ and costs (initial, operational and maintenance), in the search for an optimum solution. The main benefit of the book is that it discusses the main topics related to school building rehabilitation, presents results of the IEQ assessment on 9 school buildings and launches a discussion on how the in-use performance of schools is key to understanding how designed performance is actually experienced. It maps the most commonly used multi-objective algorithms and artificial neural network architectures and proposes a methodology for combining these numerical tools with dynamic building simulations and lifecycle cost analysis to optimize school building enclosures. This methodology will be of value to scientists and engineers alike, while also addressing a variety of related disciplines, such as civil and mechanical engineering, architecture and mathematics.

[\[PDF\] The Detectives Dilemma](#)

[\[PDF\] The Artisans Wife \(Refined by Love Book #3\)](#)

[\[PDF\] The Perks of Being a Beauty](#)

[\[PDF\] Technology In Action, Complete & MyITLab with Pearson eText -- Access Card -- for Skills for Success with](#)

[Office 2013](#)

[\[PDF\] Arduino, Sensors, and the Internet of Things](#)

[\[PDF\] Taken By A Zombie Coed: The Apocalypse Diaries](#)

[\[PDF\] Wild Aces: A Sexy Standalone](#)

School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization SpringerBriefs in Applied Sciences and Technology. Free Preview. 2015 Indoor Environmental Quality and Enclosure Optimization. Authors: Almeida **School Buildings Rehabilitation : Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology) Energie Energy Efficiency SpringerBriefs in Applied Sciences and Technology Indoor Environmental Quality and Enclosure Optimization. Autoren: Almeida **School Buildings Rehabilitation - Indoor Ricardo MSF - Springer** and Enclosure Optimization SpringerBriefs in Applied Sciences and Technology rehabilitation of school buildings on classrooms indoor environmental **School Buildings Rehabilitation Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology) by **Download Book (PDF, 3876 KB)** School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology) - Ricardo **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** SpringerBriefs in Applied Sciences and Technology. Free Preview. 2015 Indoor Environmental Quality and Enclosure Optimization. Authors: Almeida **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology) book **School Buildings Rehabilitation - Indoor Ricardo MSF - Springer** This book discusses the effect of different school building rehabilitation Indoor environmental quality in classrooms: case studies Enclosure optimization 27 Items in the Series SpringerBriefs in Applied Sciences and Technology., **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology): **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** Book. SpringerBriefs in Applied Sciences and Technology. 2015. School Buildings Rehabilitation. Indoor Environmental Quality and Enclosure Optimization **School Buildings Rehabilitation - Indoor Ricardo MSF - Springer** School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology) von Almeida, **SpringerBriefs in Applied Sciences and Technology** Vasco Peixoto de Freitas. Joao M.P.Q. Delgado. 1 3. School Buildings. Rehabilitation. Indoor Environmental Quality and Enclosure Optimization **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** SpringerBriefs in Applied Sciences and Technology Presents a multi-objective methodology for optimizing school building enclosures, combining artificial neural rehabilitation strategies on the classrooms indoor environmental quality **School Buildings Rehabilitation - Indoor Ricardo MSF - Springer** School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization Zbirka: Springerbriefs in Applied Sciences and Technology, Springerbriefs in Applied Sciences and Technology Povprečna ocena:. **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** Ricardo M.S.F. Almeida, Its application in school buildings rehabilitation is tried. A sensitivity analysis is presented and an example case is used to test the methodology. School Buildings Rehabilitation, SpringerBriefs in Applied Sciences and Technology, DOI **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** School buildings rehabilitation : indoor environmental quality and enclosure optimization Series: SpringerBriefs in applied sciences and technology. methodology for school building enclosure optimization combining artificial neural **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology) eBook: Ricardo **School Buildings Rehabilitation - Springer** School Buildings Rehabilitation Indoor Environmental Quality and Enclosure Optimization Reeks: SpringerBriefs in Applied Sciences and Technology, 2191-530X methodology for school building enclosure optimization combining artificial **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** : School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology) **School Buildings Rehabilitation - Indoor Ricardo MSF - Springer** School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology). **School buildings rehabilitation : indoor environmental quality and enclosure optimization** (SpringerBriefs in Applied Sciences and Technology) eBook: Ricardo **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology) eBook: Ricardo **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** (SpringerBriefs in Applied Sciences and Technology)

Rehabilitation - Indoor Ricardo MSF - Springer SpringerBriefs in Applied Sciences and Technology. Free Preview. 2015 Indoor Environmental Quality and Enclosure Optimization. Authors: Almeida **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** Buy School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization (SpringerBriefs in Applied Sciences and Technology) by Ricardo **School Buildings Rehabilitation: Indoor Environmental Quality and Enclosure Optimization** SpringerBriefs in Applied Sciences and Technology. Free Preview. 2015 Indoor Environmental Quality and Enclosure Optimization. Authors: Almeida