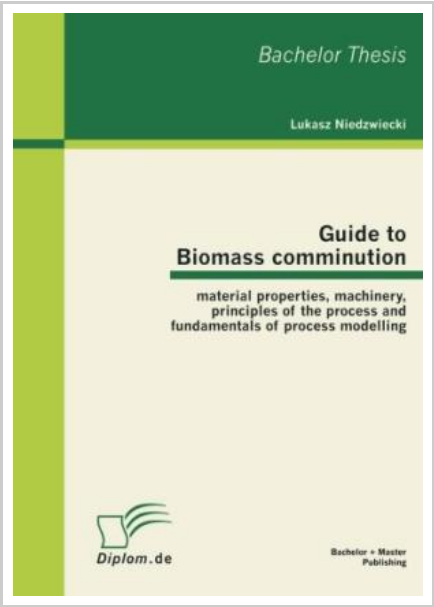

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Guide to Biomass comminution: material properties, machinery, principles of the process and fundamentals of process modelling

By Lukasz Niedzwiecki

Bachelor & Master Publishing, 2012. Taschenbuch. Book Condition: Neu. Neu Neuware; original eingeschweisst; Rechnung mit MwSt.; new item, still sealed; - This study aims to derive a qualitative model for energy requirements of the wood chipping process. A relationship is shown between energy requirements and properties of biomass, which is a quite variable material.The relationship between comminution machinery and energy which is necessary for the process is highlighted. The derivation of the model is focused on chipping, but it is generally possible to make it available for both different types of biomass (f. ex. agricultural residues)and different types of comminution machinery (f. ex. hammermills) by using different material properties adjusted to the machinery mechanics. The properties which are used in the derivation are meant to be easy to measure. Furthermore, the model is meant to be used as a base for a quantitative model that, thanks to measurements taken from real comminution machinery and thanks to using wood with known properties, could answer two important questions: - Would hypothetical changes in the desired size of output material increase the total system efficiency, taking into consideration the lowest efficiency of the combustion process (e.g., higher amounts of unburned fuel) - Considering...

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This book is definitely not straightforward to get started on studying but extremely exciting to read. It is really simplistic but shocks in the 50 percent of the ebook. Once you begin to read the book, it is extremely difficult to leave it before concluding.

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This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

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