Combustion and Pollution Control in Heating Systems

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Book Condition: New. Publisher/Verlag: Springer, Berlin | The combustion of hydrocarbon fuels in heating systems is an important topic for students taking courses in building services and related areas including mechanical engineering. The control of pollution from this source is of increasing importance to planners, architects, builders, commercial and industrial property owners and legislators. Combustion and Pollution Control in Heating Systems provides a comprehensive coverage of this environmentally sensitive topic for the first time. The fundamental principles of the combustion process are explained. Special attention is given to the processes which take place in boilers. The author has extensive experience in teaching this subject at the Universities at Loughborough and Liverpool. | Combustion is very much an interdisciplinary topic, drawing together elements of chemistry, fluid mechanics and heat transfer. It is an ingredient in many undergraduate degree programmes, ranging from a pivotal role in fuel science through to a component part of courses in chemical, process and building services engineering. For many students in those disciplines where combustion in heating plant is an important part of their studies, there are often problems in coming to grips with the basic principles underlying the combustion of hydrocarbon fuels. In particular, the concepts...

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