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Titolo	Application of Data Mining Techniques in the Analysis of Indoor Hygrothermal Conditions / / by Nuno M.M. Ramos, João M.P.Q. Delgado, Ricardo M.S.F. Almeida, Maria L. Simões, Sofia Manuel
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Descrizione fisica	1 online resource (56 p.)
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Disciplina	620.8
Soggetti	Buildings - Repair and reconstruction Buildings—Repair and reconstruction Building materials Data mining Building Repair and Maintenance Structural Materials Data Mining and Knowledge Discovery
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Indoor hygrothermal conditions -- Data mining techniques -- Case Study -- Application of data mining techniques -- Conclusions.
Sommario/riassunto	The main benefit of the book is that it explores available methodologies for both conducting in-situ measurements and adequately exploring the results, based on a case study that illustrates the benefits and difficulties of concurrent methodologies. The case study corresponds to a set of 25 social housing dwellings where an extensive in situ measurement campaign was conducted. The dwellings are located in the same quarter of a city. Measurements included indoor temperature and relative humidity, with continuous log in different rooms of each dwelling, blower-door tests and complete outdoor conditions provided by a nearby weather station. The book includes a variety of scientific and engineering disciplines, such as building physics, probability and statistics and civil engineering. It

presents a synthesis of the current state of knowledge for benefit of professional engineers and scientists.