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Titolo	Thermoactive foundations for sustainable buildings / / John Scott McCartney, Moncef Krarti, Byung Chang Kwag, Abdelmalek Bouazza, Rao Martand Singh, Mohammed Faizal
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Collana	Technologies for sustainable life
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Co-published with American Society of Mechanical Engineers.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Structural performance of thermo-active foundations -- 1.1 Introduction -- 1.2 Thermo-elastic soil-structure interaction -- 1.3 Design criteria -- 1.4 Thermo-mechanical load transfer analysis -- 1.4.1 Assumptions and basic aspects of the model -- 1.4.2 Load-transfer curves -- 1.4.3 Mechanical load transfer analysis -- 1.4.4 Thermo-mechanical T-z analyses -- 1.4.5 Model evaluation: impact of temperature changes -- 1.4.6 Model evaluation: impact of boundary conditions -- 1.4.7 Model evaluation: head restraint effects -- 1.4.8 Results from thermo-active foundations -- 1.5 Final comments -- 1.6 Acknowledgments -- 1.7 References -- 2. Thermal analysis of thermoactive foundations -- 2.1 Introduction -- 2.2 Thermal modeling of TAFs -- 2.2.1 Description of TAF thermal modeling -- 2.2.2 Experimental validation -- 2.2.3 Sensitivity analysis -- 2.2.4 Impact of thermal piles on soil temperature distribution -- 2.3 Building foundation heat transfer -- 2.4 Thermal response of TAFs -- 2.5 Energy analysis of buildings with TAF systems -- 2.5.1 Application

of TAFs for office buildings -- 2.5.2 Application of TAFs to residential buildings -- 2.6 Summary and conclusions -- 2.7 References -- 3. Full scale geothermal energy pile studies at Monash University, Melbourne, Australia -- 3.1 Introduction -- 3.2 Site ground conditions -- 3.3 Instrumentation of full-scale geothermal energy piles -- 3.3.1 Single geothermal energy pile instrumentation -- 3.3.2 Instrumentation of group of geothermal energy piles -- 3.4 Heating test for single pile case -- 3.5 Mechanical tests -- 3.6 Dual pile system -- 3.6.1 Concrete curing temperature -- 3.6.2 Strains during concrete curing -- 3.7 Conclusions -- 3.8 Acknowledgments -- 3.9 References -- About the authors.

Sommario/riassunto

This monograph documents the current of state-of-art in Thermo-Active Foundations (TAFs) suitable for efficiently and sustainably heat and cooling buildings. TAFs, also referred to as thermal or energy piles, offer innovative and sustainable alternatives to ground-source heat pumps as well as other conventional heating, ventilating, and air conditioning (HVAC) systems to heat and cool commercial as well as residential buildings in several regions in the world. In summary, this monograph collects the latest multi-disciplinary advances in modeling, designing, and monitoring TAFs. Ultimately, it is hoped that this monograph will provide a comprehensive reference for both researchers and professionals interested in structural and thermal performance of TAFs and their applications in developing integrated and sustainable equipment and systems for the built environment.

2. Record Nr.	UNINA9910502594903321
Autore	Neogy Ajit K
Titolo	Decolonization of French India : Liberation movement and Indo-French relations 1947-1954 / / Ajit K. Neogy
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ISBN	979-1-03-656660-8
Descrizione fisica	1 online resource (297 p.)
Collana	Collection Sciences Sociales
Altri autori (Persone)	WeberJacques
Soggetti	History France Inde histoire décolonisation mouvement de libération relations franco-indiennes India history decolonization liberation movement India-France relationship
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The central theme of the book has been woven round the five French settlements in India with Pondicherry as their headquarters which France intended to retain even after Britain had quitted on 15 August 1947. France had neglected her Indian settlements over the years and finding a profound change in the attitude of her people after 1947, she tried to mollify them by introducing certain doses of administrative reforms which were unacceptable to them. Inspired by the events of the neighbouring subcontinent, they expressed their desire to identify themselves with their brethren across the border and demanded the merger of the settlements with Indian Union which was, quite naturally,

rejected by France. The rejection was followed by the launching of liberation movement. Repressive measures unleashed by Pondicherry government proved ineffective. Along with this there was a strong diplomatic pressure exerted by New Delhi on Paris for withdrawing from the five pockets. France dithered and delayed the solution which further exasperated the people. Events in North Africa and Indo-China were also going against her. The stalemate continued for seven years until Pierre Mendès France came to power. Meanwhile Chandmagore was transferred to India by referendum. However, diplomatic parleys started at the initiative of the French Prime Minister broke the thaw and facilitated the path for peaceful merger of the four south Indian settlements with India. Thanks to the diplomatic efforts and the spirit of conciliation manifested by the two governments, the problem of the French Indian settlements was amicably resolved thereby opening an era of cordiality between the two countries. Le thème central de ce livre se développe autour du destin des cinq comptoirs français de l'Inde (dont le chef-lieu, Pondichéry) que la France entendait conserver, y compris après le départ des Britanniques le 15 août 1947. La métropole avait négligé ces territoires pendant des années et lorsqu'elle prit...
