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Altri autori (Persone)	SilvaCarlos Nunes
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Nota di contenuto	Cover; Half Title; Title Page; Copyright Page; Contents; Figures; Tables; Contributors; Chapter 1 Ancient, colonial, and post-colonial urban planning in Africa: An introduction; References; Part I Colonial urban planning and pre-colonial urban heritage in Africa; Chapter 2 The birth of a town: Indigenous planning and colonial intervention in Bolgatanga, Northern Territories of the Gold Coast; 2.1 Introduction; 2.2 The domestic unit and its cycle of development; 2.3 From the first explorers to the birth of the 'town'; 2.4 Conclusion; Notes; References Chapter 3 History of the urban planning of the city of Zinder in the Niger Republic3.1 Introduction; 3.2 Contextual background and methodology; 3.2.1 Background; 3.2.2 Issues; 3.2.3 Methodology; 3.3 Results; 3.3.1 Institutional and regulatory framework and urban planning actors in Zinder; 3.3.2 Spatial dynamics in Zinder; 3.3.3 The organization of the ancient city of Birni; 3.3.4 First sketch of planning of colonial period; 3.3.5 The first serviced plots of the city of Zinder of the 1970s; 3.3.6 Urban development plan (UDP) of 1980 3.3.7 Parcelling out without urban services from 2000 to 20173.4 Discussion; 3.4.1 Zinder, fortified town with traditional architecture; 3.4.2 Juxtaposition of the colonial city with ancient fabrics; 3.4.3 Lack of synergy between urban planning actors in Zinder; 3.4.4 Planning

objectives partially achieved in Zinder; 3.5 Conclusion; Notes; References; Chapter 4 Mise en valeur and repopulation in colonial rural development in French Morocco; 4.1 Introduction; 4.2 Centre, periphery, and resource extraction; 4.3 The colonization corridor in the Gharb; 4.4 Water, technology, and rural modernity
4.5 Housing the workforce: The Service de l'Urbanisme in the countryside4.6 Conclusion; Notes; References; Chapter 5 Infrastructure and urban planning: The port and city of Algiers under French colonial rule, 19th-20th century; 5.1 Introduction; 5.2 Ports as strategic areas for the colonial conquest of Algeria; 5.2.1 The development of the port of Algiers: A modernizing benefit to the city; 5.2.2 Maritime docks: A new facade for Algiers; 5.3 The Chamber of Commerce of Algiers and the port-city governance: Power issues and territorial struggles
5.4 The city authority in port planning: A restricted intervention5.5 The port in urban planning projects: The marginal area; 5.6 The city of Algiers today, towardsa marketization of port area?; 5.7 Conclusion; Notes; References; Chapter 6 Living in Lourenco Marques in the early 20th century: Urban planning, development, and well-being; 6.1 Introduction; 6.2 Gardening the city: Creating beautiful, pledging for health, promoting public spaces, and leisure areas; 6.3 Urbanization, sanitation, and health measures: Finding a common path for a social segregation politics; 6.4 Conclusion

Sommario/riassunto

This handbook contributes with new evidence and new insights to the on-going debate on the de-colonization of knowledge on urban planning in Africa. African cities grew rapidly since the mid-20th century, in part due to rising rural migration and rapid internal demographic growth that followed the independence in most African countries. This rapid urbanization is commonly seen as a primary cause of the current urban management challenges with which African cities are confronted. This importance given to rapid urbanization prevented the due consideration of other dimensions of the current urban problems, challenges and changes in African cities. The contributions to this handbook explore these other dimensions, looking in particular to the nature and capacity of local self-government and to the role of urban governance and urban planning in the poor urban conditions found in most African cities. It deals with current and contemporary urban challenges and urban policy responses, but also offers an historical overview of local governance and urban policies during the colonial period in the late 19th and 20th centuries, offering ample evidence of common features, and divergent features as well, on a number of facets, from intra-urban racial segregation solutions to the relationships between the colonial power and the natives, to the assimilation policy, as practiced by the French and Portuguese and the Indirect Rule put in place by Britain in some or in part of its colonies. Using innovative approaches to the challenges confronting the governance of African cities, this handbook is an essential read for students and scholars of Urban Africa, urban planning in Africa and African Development.

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Autore	Krysinski Tomasz
Titolo	Mechanical vibrations [[electronic resource]] : active and passive control / / Tomasz Krysinski, Francois Malburet
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helicopter; 1.4. Gyroscopic effects; 1.4.1. Forward or backward motion; 1.4.2. Equations of motion; 1.4.2.1. Natural angular frequencies (shaft off motion)
1.4.2.2. Critical speeds during forward precession1.4.2.3. Critical speeds during retrograde precession; Chapter 2. Piston Engines; 2.1. Introduction; 2.2. Excitations generated by a piston engine; 2.2.1. Analytic determination of an engine torque; 2.2.2. Engine excitations on the chassis frame; 2.2.2.1. Knocking load; 2.2.2.2. Pitch torque; 2.2.2.3. Review of actions for a four phase cylinder engine; 2.2.3. The notion of engine balancing; 2.2.3.1. Balancing the knocking loads; 2.2.3.2. Balancing the galloping torque; 2.3. Line shafting tuning; 2.3.1. The notion of tuning
2.3.2. Creation of the equations2.3.3. Line shafting optimization; 2.3.3.1. Results for a non-optimized line shafting; 2.3.3.2. Results for an optimized line shafting; Chapter 3. Dynamics of a Rotor; 3.1. Introduction; 3.2. Description of the blade/hub relationship; 3.2.1. Some historical data; 3.2.2. Hinge link of the blade and the hub; 3.2.2.1. Formation of the equations for blade motion; 3.2.2.2. Homokinetic rotor; 3.3. Rotor technologies; 3.3.1. Articulated rotors; 3.3.1.1. Conventional articulated rotors; 3.3.1.2. Starflex® and Spheriflex® rotors; 3.3.2. Hingeless rotors
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4.2.1. Flapping equation - general case

Sommario/riassunto

For all rotational machines, the analysis of dynamic stresses and the resulting vibrations is an important subject. When it comes to helicopters and piston engines, this analysis becomes crucial. From the design of parts working under stress to the reduction of the vibration levels, the success of a project lies mainly in the hands of the dynamicists. The authors have combined their talents and experience to provide a complete presentation on the issues involved. Part one describes, in concrete terms, the main dynamic phenomena and how they can be observed in reality. Part two presents infor