

1. Record Nr.	UNINA9910163018003321
Titolo	Young research forum : research papers for future megacities on governance, water, planning, and mobility // Lukas Born (editor)
Pubbl/distr/stampa	Berlin : , : Jovis, , [2014] ©2014
ISBN	3-86859-885-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (226 p.)
Collana	Future megacities
Disciplina	307.1216
Soggetti	City planning - Environmental aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Cover; Title Page; Index; Preface and Introduction; The Future Megacities Programme-Framework and Contribution of Young Researchers; Participants' List of the DAAD Scholarship Programme: "Studies and Research Scholarships of Today for the Megacities of Tomorrow"; Governance; The Agricultural Water-Energy Nexus of Rural India under Climate Change: How Learning Coordination Becomes Key to Technology Adoption; Implementation of the Clean Development Mechanism (CDM) in Gauteng Municipalities: Barriers, Opportunities, and Post-2012 Outlook; Urban Resources: Water Strategies for a Sustainable Megacity Development under the Water Resource Challenge in Urumqi Region, Northwest China Auditing Water Resources for Application to Water-sensitive Urban Design-A Case Study in the Lima Metropolitan Area, Peru; Adaptation of the Urban Water System to Future Developments-Modelling of Different Options for Lima, Peru; Abstract: Comparison and Evaluation of Three Aquatic Plants for Determining the Efficiency of Nutrient Removal in Domestic Wastewater Treatment; Planning and Architecture Integration of Environmental Components and Urban Climate Management in Land-use Planning in Ho Chi Minh City, Vietnam Land-use Change Detection and Analysis for Ho Chi Minh City; Abstract: Multifunctional Urban Agriculture: An Urban Planning Model for the Megacities of Tomorrow. The Case of Casablanca; Abstract: Climate-responsive Residential Buildings for Hashtgerd New Town Based on

Traditional Residential Architecture of Iran's Arid Region; Abstract: The Feasibility of a New Generation Office Building in Hashtgerd New Town: Modern, Efficient, and Environmentally Friendly
Mobility and Transportation Transit-Oriented Development (TOD) for Megacities: Is TOD an Effective Solution for a Megacity's Traffic Congestion? Case Study of Shenzhen, China; The Public Transportation System of Hefei, China: An Analysis; Abstract: Development and Evaluation of an Airborne Traffic Detection System; Abstract: Perspectives for Gauteng's Transportation Sector: Potential Performance and Costs of Exemplary Transportation Infrastructure Extensions; Appendix; The Projects of the Programme on Future Megacities in Brief; Authors; Imprint

Sommario/riassunto

In addition to senior scientists, who have summarised their main results in the five volumes of the Future Megacities Book Series, ambitious young researchers have also contributed substantially to the German research programme on sustainable development of future megacities. The authors included in this volume were awarded the research programme's Young Researcher's Award in 2013, and a small but exemplary selection of their scientific work is presented here. Main topics are mobility with transit-oriented development and public transport in China, water demand and supply issues in the arid ci
