

# Mitigating Climate Change: The Emerging Face of Modern Cities

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## Title of Edited Book (tentative)

### Mitigating Climate Change: The Emerging Face of Modern Cities

## Editors

### **Anshuman Khare**

Professor of Operations Management

E-mail: [anshuman.khare@mba.athabascau.ca](mailto:anshuman.khare@mba.athabascau.ca)

### **Terry Beckman**

Assistant Professor of Marketing

Faculty of Business

### **Athabasca University**

301-22 Sir Winston Churchill Avenue

St. Albert AB T8N 1B4

CANADA

## Supporting Networks

**Alexander von Humboldt Network for Cities and Climate Change** is a Network of researchers and practitioners established in 2010 by the alumni of the Alexander von Humboldt Foundation to inform scientific and policy discourses, promote research and innovations based on exchange and cooperation among members. [\[Read more\]](#)

**The Online Centre for Corporate Stewardship (OCCS)** (Athabasca University) is a collaborative online community of corporate stewards who promote the philosophy of corporate stewardship and increase research and effective educational programming in this area. The Centre showcases our collaborative research and course offerings. However, the bigger goal is for the Centre to become a global nodal point for academics and practitioners to share knowledge, interact and develop new thinking to pursue the goal of corporate stewardship. [\[Read more\]](#)

## Background and Objectives

Climate change has emerged as one of the most challenging political and scientific issues of our times. The 1987 Brundtland Report and 1992 Rio Conference highlighted the significance of local actions as a means of securing global sustainable development. This is further emphasized by

the projection by UN-HABITAT, in its publication titled “State of the World’s Cities Report 2008-09: Harmonious Cities” that 70% of the world’s population will live in cities by 2050.

With ever increasing trends in urban consumption and production practices, a call for action to mitigate Climate Change is often seen as a way to foster sustainable development. Considerable attention is now being paid to determine what urban sustainability would include.

Today there is a pressing need to broaden our knowledge and apply new concepts and frameworks to development of modern cities. Building on the foregoing, this book attempts to bring together and discuss concepts, tools, frameworks and best practices to cope with the emerging challenges faced by cities today. The book will be of use to policy makers, city planners, practitioners and academics who are starting to project what modern cities would need to do in terms of energy efficiency, mobility, planning and design of habitat and infrastructure and adapting to climate change.

## Topics

The book will be multidisciplinary and include papers in the following (or related) areas:

- Urban climate governance
- Urban design and planning
- Urban Infrastructure – transportation networks, housing, etc.
- Urban transportation – mass transit, individual transportation, etc.
- Energy (including renewable energy and energy efficiency)
- Emerging technologies for mitigating climate change impact in urban areas
- Climate Change and City residents
- Consumer behaviour in context of climate change regulations and policies (discussion can be connected to any of the points above)

Both conceptual and empirical papers are welcome.

## Guidelines for Proposals

- Proposal Length: approximately 750 words (**due: January 31, 2012**); must include main objective, research question(s), methodology (if appropriate), and an outline of how the author(s) will address these.
- Author bios (100 words maximum each) should be included, but on a separate page from the proposal.
- APA style referencing is required.

## Review Process

Proposals submitted will be double-blind, peer-reviewed by a team of academics and practitioners from around the world. Those proposals that provide a significant contribution to

theory and/or practice will be invited to continue with the process. Acceptance of the proposal will be communicated to the authors by **March 1, 2012**. Acceptance at the proposal stage does not guarantee final acceptance of the full paper.

## Further Information on Full Papers

Full Papers submitted will be peer-reviewed by a team of academics and practitioners from around the world. The review process will be coordinated by the Editors and the Editorial Board to be established soon.

Full length papers will need to be approximately 6,000 words and **due by August 31, 2012**. Further format guidelines will be provided to authors of selected proposals.

## Publisher

To be decided. The intent is to produce the book in electronic format, and provide free access to those interested in the topic.

## Timeline and Deadlines

November 2011 - December 2012

- Receipt of proposals: January 31, 2012
- Call for full papers after review of proposals: March 1, 2012
- Receipt of full papers: August 31, 2012

**Target Date of Publication:** The target date for publication is **December 2012** if everything goes as per schedule.

## Financial implications for authors

There will be no financial implications for contributing authors.

## Contact

Authors are requested to submit their original manuscripts and figures by e-mail to the Editor listed below:

**Proposals by January 31, 2012**  
**Full Papers by August 31, 2012**

Dr. Anshuman Khare

Professor for Operations Management  
Faculty of Business  
Athabasca University

Contact Address: 301-22 Sir Winston Churchill Avenue, St. Albert AB T8N 1B4, CANADA

Telephone: +1-780-418-7533

Fax: +1-780-459-2093.

E-mail: [anshuman.khare@mba.athabascau.ca](mailto:anshuman.khare@mba.athabascau.ca)

## Editors

### Anshuman Khare

**Academic affiliation:**

Faculty of Business  
Athabasca University  
CANADA

**Anshuman Khare** is a professor in Operations Management at Athabasca University, Canada. He is a MBA and PhD from Allahabad University (India). He is an Alexander von Humboldt Fellow. His research focuses on environmental regulation impacts on the automobile industry and its supply chain. He is also a former *Monbusho* Scholar, having completed a postdoctoral assignment at Ryukoku University in Kyoto, Japan. He has published six books and a number of research papers on a wide range of topics, including Just-in-Time; supply chain management; sustainable development related to public policy; regulations and strategic developments resulting from climate change regulations and initiatives; ecopreneurship; sustainable cities; corporate social responsibility; and the impact of environmental/climate change regulations on technology, innovation and corporate strategy.

### Terry Beckman

**Academic affiliation:**

Faculty of Business  
Athabasca University  
CANADA

**Terry Beckman** is an Assistant Professor of Marketing at Athabasca University. He teaches Marketing Management, Global Marketing and International Business Management. Prior to arriving at Athabasca University, he taught at Queen's University, The Royal Military College of Canada and the University of Victoria. He has an MBA in International Business from the University of Victoria and a Bachelor of Commerce (Hons.) in Marketing from the University of Manitoba. Terry's background includes over 12 years of industry experience. Included in this are work for IBM Canada Ltd., work as a marketing coordinator for the Canadian High Commission in Malaysia, and as a private consultant engaging in a variety of business feasibility studies and IT contracts. His research interests are primarily in marketing strategy, international business and corporate social responsibility. More specifically, he is interested in corporate branding, identity and reputation, relationship marketing, authenticity and network theories in relation to business-to-business marketing. He has published articles in the Journal of Business Ethics and the European Business Review and a book review in the European Journal of Marketing.

## Editorial Board

(Listed alphabetically)

### Alan Organschi

**Academic affiliation:**

Yale School of Architecture  
Yale University  
USA

**Professional affiliation:**

Gray Organschi Architecture

**Alan Organschi** is principal and partner at Gray Organschi Architecture, a design firm recognized for its innovative conception and implementation of projects that range from the adaptive re-use of damaged buildings and neighborhoods to the development and implementation of low-impact assembly systems for ecologically delicate sites. As a member of the Yale School of Architecture faculty, he coordinates Yale's first-year graduate housing studio which culminates each spring with the student construction of an affordable house in the city of New Haven. He is also a lecturer in building technology and an area coordinator at the graduate school. He has lectured publically on architecture, technology, and sustainable urban renewal. Mr. Organschi's current research includes prototype development for high-density, high-performance wood housing in the U.S., conducted under the auspices of the Hines Research Fund for Advanced Sustainability in Architectural Design.

### R. Andreas Kraemer

**Academic affiliation:**

Director – Ecologic Institute  
GERMANY

Active in sustainable development, environment policy, climate and energy policies for over 20 years, R. Andreas Kraemer has been Director of Ecologic Institute since its foundation in 1995. In April 2008, he became chairman of the Ecologic Institute in Washington DC - Ecologic's newly incorporated presence.

Since 1993 he is also a Visiting Assistant Professor at Duke University, lecturing on European integration and environmental policy in the Duke in Berlin Program. Andreas is Co-Chairman of the advisory board of OekoWorld, setting criteria for global investment for a group of ethical and 'green' investment funds or mutual trusts, and of Oekom Research, a rating agency specialising in corporate and governmental or 'sovereign' debtors' ethics and sustainability. He also serves on the Boards of the Bellagio Forum for Sustainable Development and the French-Alsatian NGO Solidarité Eau Europe, and is a coordinator of the British German Environment Forum. He is also a board member of Oekom Verlag, a publishing house dedicated to sustainable development, based in Munich, Germany.

With a strong background in institutional analysis and capacity building in sustainable development, environmental policy and resource management, he now focuses on integrating environmental concerns into other policies, notably EU General Affairs and external relations, including trade, development, foreign affairs and security policy. He is particularly engaged in strengthening Transatlantic relations and cooperation on environment, climate and energy security.

## Avi Gottlieb

**Academic affiliation:**

Department of Sociology and Anthropology  
and Porter School of Environmental Studies  
Tel Aviv University  
ISRAEL

**Avi Gottlieb** is professor of sociology at Tel Aviv University and adjunct professor at the Porter School of Environmental Studies where he heads the clinic of urban sustainability, which works with local communities to find, apply and disseminate sustainable solutions to local problems. He has published more than 150 referred journal articles and book chapters, and has written and co-edited seven books. His current research focuses on urban strategies, policies and modes of governance to cope with the challenges of climate change. Avi is chair of the board of directors of the Heschel Center for Environmental Learning and Leadership, a leading Israeli environmental think tank and advocate of local sustainability, and the founder of the Cities and Climate Network which encompasses more than seventy researchers and practitioners around the world.

## Dale Beckman

**Academic affiliation:**

Professor Emeritus  
Gustavson School of Business  
University of Victoria  
CANADA

**Dale Beckman** is Professor Emeritus and Director of Accreditation at Gustavson School of Business, University of Victoria, BC, Canada. Dr. Beckman was formerly Head of International Programs for the Faculty. He has extensive academic and business experience and has travelled widely in Asia, Europe, and the South Pacific. Much of his academic experience has involved innovation and start-up activities. He was one of the founding professors of the Faculty of Business, and was responsible for building the International Business Program which has become one of Canada's largest and most innovative business exchange programs. His work has been published in various academic journals including the Journal of Marketing. He has co-authored four different marketing books and has written two introduction to business books and one book on small business management. Dr. Beckman has been actively involved in the planning process of the School. A key element has been the leadership role it has taken in promoting sustainability and placing it at the forefront of its strategic plan.

## Dale Medearis

### **Professional affiliation:**

Senior Environmental Planner  
Northern Virginia Regional Commission  
USA

**Dale Medearis** is a senior environmental planner for the Northern Virginia Regional Commission. He co-leads the NVRC's regional climate mitigation and energy programs and manages. He also oversees NVRC's international environmental partnerships, including efforts with the European Network of Metropolitan Areas and Regions (METREX). Prior to working for NVRC, Medearis spent approximately 20 years at the Office of International Affairs, U.S. Environmental Protection Agency, Washington, as the program manager for western Europe and urban environmental programs. In that capacity, he worked to identify, analyze and apply best practices urban environmental policies from Europe to the United States. Special emphasis was on the identification and transfer of innovative land-use planning, energy and climate, stormwater, "green" buildings, brownfields and smart growth policies. Medearis also served as the program manager for the U.S. National Park Service's Potomac American Heritage River Initiative. He has been the Vice-chair of the OECD Territorial Development Committee and Chairman of the OECD Working Group on Urban Affairs. Medearis has been awarded fellowships to study urban and environmental planning in Europe from the German Academic Exchange Service, the Alexander Von Humboldt Foundation, the Fulbright Commission, the European Union, and the American Council on Germany. Medearis has taught courses on environmental planning as an adjunct faculty at the University of Redlands, Virginia Tech University and Johns Hopkins University. He has a Ph.D. in environmental design and planning from Virginia Tech University, an M.S. in Cartographic and Geographic Science from George Mason University, an MGA in Government from the University of Pennsylvania, and a BA in International Relations from the University of Redlands.

## Klaus Bellmann

### **Academic affiliation:**

Professor Emeritus  
Faculty of Law and Economics  
University of Mainz  
GERMANY

**Klaus Bellmann** is Professor Emeritus and Co-Director of the Center of Market Oriented Product and Production Management (CMPP) at University of Mainz, Germany. Dr. Bellmann was formerly Head of the Chair "Production Economics" in the Faculty of Law and Economics at University of Mainz. His academic teaching at home and abroad was related to operations research and management as well as to innovation and environmental management. He has won extensive academic and business experiences in multiple joint research and consulting projects for the German automotive and energy industry. Due to the engineering background his research works links economic, technical and managerial issues on a variety of fields: operations and logistics management, innovation and environmental management, network cooperation. He has published a number of books and books chapters, journal papers, and project reports.

## Paul Larson

### **Academic affiliation:**

Aspen School of Business  
University of Manitoba  
CANADA

**Paul D. Larson, Ph.D., P.Log.** is the CN Professor of Supply Chain Management at the University of Manitoba. From 2005 to 2011, he was Head of the SCM Department and Director of the Transport Institute. Dr. Larson earned BSB and MBA degrees at the University of Minnesota, and his Ph.D. at the University of Oklahoma. In between BSB and MBA programs, from 1979 to 1981, he worked with the Ministry of Cooperatives in Fiji, as a United States Peace Corps Volunteer. The Institute for Supply Management (ISM), formerly the National Association of Purchasing Management (NAPM), funded Dr. Larson's doctoral dissertation, which won the 1991 Academy of Marketing Science/ Alpha Kappa Psi award. From 1990 to 1996, he taught marketing and retailing at the University of Alberta, and supervised several doctoral students. After that, Professor Larson taught purchasing, logistics and SCM at the University of Nevada from 1996 to 2001 and at Iowa State University from 2001 to 2004. Paul has published more than 50 articles in leading SCM journals, and has made numerous presentations at academic and practitioner conferences. He has consulted and conducted executive seminars, in Europe, North and South America, Australia, the Caribbean and China, on logistics, purchasing and SCM. Dr. Larson serves on the Editorial Review Boards of the *Journal of Business Logistics*, *Journal of Supply Chain Management*, *International Journal of Physical Distribution and Logistics Management*, and *Journal of Humanitarian Logistics and Supply Chain Management*. His current research interests include arctic transport; supply chain risk management; supply chain sustainability; and humanitarian logistics.

## Shamsuddin Shahid

### **Academic affiliation:**

Faculty of Civil Engineering  
University Technology Malaysia  
MALAYSIA

**Shamsuddin Shahid** is an Associate Professor in the Faculty of Civil Engineering, Universiti Teknologi Malaysia (UTM), Malaysia. He has more than 15 years of teaching and research experiences in water resources in different countries like Bangladesh, India, Thailand, Malaysia, South Africa and Germany. He obtained his PhD in hydrology from Indian Institute of Technology (Kharagpur, India) in 2001. He worked as a postdoctoral researcher in Asian Institute of Technology (AIT) (Thailand), Rhodes University (South Africa) and Friedrich-Schiller University of Jean (Germany). His main research interest is to study the climate change impacts on various hydrological processes to forecast the possible changes in water supply, water demand, and the behavior of hydrological system, and to identify the possible adaptation strategies to reduce the negative impacts. He is the author of over 30 research articles in internationally reputed journals and a book on groundwater hydrology. He is member of many professional bodies working on hydrology and water resources.

## Xiaoming Wang

**Academic affiliation:**

Faculty of Engineering and Industrial Sciences  
Swinburne University of Technology  
AUSTRALIA

**Professional affiliation:**

Principal Scientist  
Commonwealth Scientific and Research  
Organization (CSIRO)

**Xiaoming Wang** is principle scientist at Urban Systems of CSIRO Ecosystem Sciences in Commonwealth Scientific and Industrial Research Organisation (CSIRO), and a senior research leader of built environment research in Urban Systems Program of CSIRO Ecosystem Sciences. He is currently also taking a leading role in the Sustainable Cities and Coasts Theme of the CSIRO Climate Adaptation Flagship. He developed frontier research of Climate Adaptation Engineering, providing effective pathways for urban and coastal settlement and built environment to accommodate changing climate. Xiaoming has extensive experiences working on climate impact and adaptation related projects of national significance. He published more than 200 journal and conference papers, book chapters, and technical reports with collaborations in broad international and national research networks across multi- and inter-disciplines. Among them, more than 40 publications are related to climate impact and adaptation research.