

Event: **ENERGY in TRANSPORTATION 2018**  
 Date: **Saturday November 3, 2018**  
 Place: **Athens, Hellas**



<b>#</b>	<b>Doaa M. El-Sherif</b> Professor of Environmental Planning & Urban Management	
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Presentation title:	<b>Energy Efficient Strategies for Urban Transportation Planning</b>	
<p>The 'second wave of urbanization' is a core driver of change in the 21st century and follows the first wave of urbanization that took place in developed countries from 1750, lasted 200 years and resulted in the urbanization of 400 million people. By contrast, the second wave of urbanization is projected to see over 3 billion additional people living in cities in a time-span of just 80 years, bringing unprecedented challenges to city doorsteps. Cities are key leverage points in the quest for global sustainability due to their high levels of consumption, production and waste. The energy sector and carbon mitigation have to be at the center of any sustainable development strategy. Planning for energy efficiency includes context specific issues such as site selection, type of regional connections, transportation structure and type, the main street layout, as well as the prevailing orientation of new developments. It offers opportunities to enhance the quality of urban life by providing spatial solutions, designed for a healthy and comfortable- built environment with minimum energy consumption. The urban energy planning for cities should include -among others- the reduction of carbon emissions, planning for efficient spatial development, developing efficient and accessible public transport, and creating a sustainable and low-carbon energy vision for the future. Cities which implement urban energy plans reduce their vulnerability to energy scarcity and to energy price rises, they have less traffic congestion and lower energy input costs, they have cleaner air and their low-carbon economies can afford them a competitive economic edge globally. In response, this paper discusses cities' transition to urban energy efficiency planning and the role of infrastructures, with focus on transportation planning. The paper highlights the case of Egypt as an example of developing countries. The objectives of the paper are; firstly to identify the different strategies for urban transportation planning, and secondly to analyze the strategic urban planning process in Egypt for small cities. The paper presents a case study from Egypt, illustrating the preparation of a future urban strategic plan for a small Egyptian city. The case study shows how innovative solutions can lead to urban energy planning with focus on transportation.</p>		

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CV:

Prof. Dr. Doaa El-Sherif is an environmental management, urban planning, institutional development, training and capacity building specialist with over 32 years of academic, and professional experience. At the National level; she is a Professor at the Architecture & Housing Department of the Housing & Building Research Center "HBRC"; of the Ministry of Housing, Utilities & Urban Development of Egypt. Currently she is the Executive Director for Training and International Co-operation of the Urban Training Institute "UTI", affiliated to HBRC. In addition, she is the General Supervisor of the "Building Codes Training Department" of HBRC. Prof. El-Sherif is also a member of the Technical Secretariat of the Egyptian Green Building Council (GBC). At the International level; Prof. El-Sherif is working as a trainer & consultant for the United Nations Organization for Human Settlements "UN-Habitat" in Nairobi. She is also chairing the Egypt organization committee of the Urbenviron International Council "UIC"; an international entity focusing on urban environmental planning & management located in Brazil. She has been consulted for projects executed by international organizations such as Danida, GIZ, Dutch institutes, UNDP and UN-HABITAT. As a trainer; Prof. El-Sherif has designed and delivered over 250 training courses, conducted with international organizations for participants from Egypt, Arab countries, as well as countries from transition economies and from Africa. Topics of her training experience include Urban Management, Participatory Planning, Community Development, Urban Environmental Management, Environmental Impact/Risk Assessment, Solid Waste Management, Public Private Partnerships and Training of Trainers (TOT). As a capacity building & institutional development specialist; she has designed capacity building plans and institutional development proposals for a number of Governmental Organizations in Egypt and different Arab countries. She has also advised public and private entities, NGOs, CBOs and international organizations. As a researcher; Prof. El-Sherif has authored and co-authored a number of published books and researches, several articles and training manuals, and has coordinated many international and national conferences and seminars. As an urban planner; she is the Team Leader of preparing the "Egypt National Urban Sector Profile" by UN-Habitat. She has been also the team leader of the "Rural Strategic Plans" for a number of Egyptian villages within a project by HBRC and the General Organization for Physical Planning (GOPP), Egypt. In addition, she is the Team Leader of the preparation of Strategic Urban Plans for a number of Small Egyptian Cities within a project by GOPP & UN-HABITAT.