

Sustainable Transportation e-Zine

Jan 2018



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Media Coverage

Abstract from recent news:

According to World Energy Outlook 2017, published by the International Energy Agency (IEA), the electric car fleet in the country by 2040 will be third largest in the world. This shows that India is at a serious juncture in electric mobility. In a fillip to India's Electric Vehicle (EV) Mission 2030, the ministry of heavy industries, recently announced the introduction of electric vehicles in the public transportation systems of 11 cities. The shortlisted cities are Delhi, Mumbai, Ahmedabad, Bengaluru, Jaipur, Lucknow, Hyderabad, Indore, Kolkata, Jammu and Guwahati.

The EV momentum stepped up with the Centre recently floating tenders for 10,000 electric cars and 4,000 charging stations and initiating the process to issue national standards for charging stations. States like Karnataka and Telangana, too, have begun rolling out EV policies and working on an action plan to make Bengaluru the hub of electric vehicle use. Delhi government is also planning to eventually phase out the city's CNG bus fleet with electric buses. Further to promote the uptake of electric vehicles (EVs) in the country, the government is ready to amend the Electricity Act, 2003. The huge transformation of the electric mobility sector will offer immense opportunities and potential in the automotive sector, which currently accounts for about 7% of our GDP. Due to the varied transport needs, there is great opportunity for both existing and new businesses to participate in creating and maintaining an EV ecosystem.

Sources:

- Government may amend Electricity Act to accommodate electric vehicles
[The Indian Express](#); 25 January 2018
- Shared e-mobility: it's now cheaper to do the right thing - Mahesh, Ashwin
[Deccan Herald \(Bangalore edition\)](#), 17 December 2017

Articles/Case Studies

- **Low-Carbon Transportation Oriented Urban Spatial Structure: Theory, Model and Case Study, 2018**
Yuyao Ye , Changjian Wang , Yuling Zhang , Kangmin Wu , Qitao Wu and Yongxian Su
Sustainability 2018, 10, 19;
doi:10.3390/su10010019
- **Cycling towards a more sustainable transport future , 2017**
John Pucher and Ralph Buehler
Transport Reviews, VoL. 37(6): 689-694p.
- **Comparative Analysis of Intelligent Transportation Systems for Sustainable Environment in Smart Cities, 2017**
Anandkumar Balasubramaniam , Anand Paul, Won-Hwa Hong , HyunCheol Seo and Jeong Hong Kim
Sustainability 2017, 9, 1120;
doi:10.3390/su9071120
- **On Production and Green Transportation Coordination in a Sustainable Global Supply Chain, 2017**
Feng Guo, Qi Liu, Dunhu Liu, and Zhaoxia Guo
Sustainability, Vol 9(11), 2071;1-20p.
- **Green Growth in cities: two Australian cases. 2017**
Tania Urmee* , Martin Anda, Anna Chapman, and Md. Anisuzzaman
Renew. Energy Environ. Sustain. 2(43) (2017)
DOI: 10.1051/rees/2017007
- **Evolving Green Aviation Transport System: A Holistic Approach to Sustainable Green Market Development**
A. N. Sarkar
American Journal of Climate Change, 2012, 1, 164-180
- **Towards green cities in developing countries:**

<ul style="list-style-type: none"> • Centre approves EV-based public transportation for 11 cities <u>Mint</u>, 28 December 2017 • Green push: Transport dept plans electric autos on Bengaluru roads <u>The Times of India (Bangalore edition)</u>, 27 December 2017 • Move to clean vehicles <u>The Pioneer</u>, 18 December 2017 • India's going electric - Maini, Chetan <u>Deccan Herald (Bangalore edition)</u>, 17 December 2017 • Govt: Electric buses may replace CNG ones in city <u>The Times of India</u>, 17 December 2017 • Electrifying the future for mobility <u>The Pioneer</u>, 11 December 2017 • Electrifying idea for Delhi public transport <u>The Pioneer</u>, 07 December 2017 • Comprehensive mobility plan to take shape in new year <u>The Times of India (Online edition)</u>, 07 December 2017 • Bengaluru's C-40 entry may give fillip to e-vehicle plan <u>The Times of India (Bangalore edition)</u>, 05 December 2017 • Govt to launch campaign for better public transport <u>Deccan Herald (Bangalore edition)</u>, 02 December 2017 • Karnataka govt to bring action plan for electric vehicles policy <u>Deccan Herald (Online edition)</u>, 01 December 2017 	<p><u>Egyptian new cities as a case study, 2017</u> Ibrahim Hegazy, Wael Seddik and Hossam Ibrahim International Journal of Low-Carbon Technologies 2017, 12, 358–368p.</p> <ul style="list-style-type: none"> • <u>Sustainable transport policy – An evaluation of Singapore's past, present and future</u> Sreyus Palliyani and Der-Horng Lee Journal of Infrastructure, Policy and Development (2017) Volume 1 Issue 1, pp.112-128. • <u>Business Models for Electric Mobility, 2016</u> Katja Laurischkat; Arne Viertelhausen and Daniel Jandt Procedia CIRP, Volume 47, 2016, Pages 483-488
<u>Reports</u>	<u>Events</u>
<ul style="list-style-type: none"> • <u>Global EV Outlook 2017: Two Million and Counting By IEA, 71p. 2017</u> The Global EV Outlook 2017 provides insights on recent EV technology, market, and policy developments. Detailed information for the past five to ten years on EV registrations (vehicle sales), number of EVs on the road, and modal coverage across the most relevant global vehicle markets is provided. • <u>ITF Transport Outlook, 2017 By</u> 	<ul style="list-style-type: none"> • <u>Sustainable Transport Health 2017</u> 23-24 February 2017 Bristol, South West Website: https://www.transportxtra.com/tx-events/?id=2325 Email: randall@acttravelwise.org • <u>International Academic Conference on Transport, Logistics, Tourism and Sport Science in Budapest, Hungary 2018</u>

OECD/ITF, 224p. 2017

The ITF Transport Outlook provides an overview of recent trends and near-term prospects for the transport sector at a global level. It also presents long-term projections for transport demand to 2050 for freight (maritime, air and surface) and passenger transport (car, rail and air) as well as related CO2 emissions, under different policy scenarios. It specifically looks at how the main policy, economic and technological changes since 2015, along with other international developments such as the establishment of the UN Sustainable Development Goals, are shaping the future of mobility.

- **Building sustainable, inclusive transportation systems: A framework for the future**, 2017/By Julian Smith, Edward Clayton, Daniel Hanson
Transportation needs are increasing all over the world – in developed regions seeking to grow their economies while reducing carbon emissions, and in developing regions where vast numbers of people are, for the first time, accessing global markets. A call for advanced 21st-century networks of roads, airports, shipping facilities, train routes, and public transportation is resounding in cities, small communities, and rural areas alike. Investment in transportation infrastructure is surging globally, with money going into the development of new transportation systems as well as upgrades and extensions of older ones.
- **Global Mobility Report 2017: Tracking Sector Performance by Sustainable Mobility for AllT**, 107p. 2017
The Global Mobility Report 2017 (GMR) is the first-ever attempt to examine performance of the transport sector globally, and its capacity to support the mobility of goods and people, in a

16th to 17th March 2018

Budapest, Hungary

Website: <https://www.conferences-scientific.cz/inpage/conference-budapest-iactlts-2018/>

Contact person: Kratochvil Radek

- **Constructing an Urban Future: The Sustainability and Resilience of Cities**

18th to 19th March 2018

Abu Dhabi, United Arab Emirates

Website: <http://architecturemps.com/abudhabi/>

Contact person: Laura Macala

- **International Conference on Urban Studies: "Metropolitan Identities"**

12th to 12th May 2018

London, United Kingdom

Website: <http://urbanstudies.lcir.co.uk>

Contact person: Dr Olena Lytovka

sustainable way. The GMR is built around three components: (i) four global objectives that define “sustainable mobility”; (ii) quantitative and qualitative targets for those objectives, drawn from international agreements; and (iii) indicators to track country-level progress towards those objectives. It covers all modes of transport, including road, air, waterborne and rail.

(Kindly send your views/suggestions/and also let us know any other contemporary issues you want us to cover)