

Publications • Prof. Dr.-Ing. Thorsten Schuetze • December 2014

2014:

1. ***Title: Terra Preta Sanitation - Key component for sustainability in the urban Environment***, scientific journal paper in MDPI Sustainability (ISSN 2071-1050); Thorsten Schuetze , Vicente Santiago-Fandiño; Sustainability 2014, 6(11), 7725-7750; doi:10.3390/su6117725, 5 November 2014 (<http://www.mdpi.com/2071-1050/6/11/7725>)
2. ***Zero emission Buildings in Korea***, proceedings of The 4th World Sustainability Forum, 1 – 30 November 2014; Thorsten Schuetze, Sciforum Electronic Conference Series, Vol. 4, 2014, f001; doi:10.3390/wsf-4-f001 (<http://www.sciforum.net/conference/wsf-4/paper/2443>)
3. ***Towards development of a label for Zero Emission Buildings: A Tool to evaluate potential Zero Emission Buildings***, proceedings of The 4th World Sustainability Forum, 1 – 30 November 2014; Devi Buehler, Thorsten Schütze, Ranka Junge; Sciforum Electronic Conference Series, Vol. 4, 2014 , a001; doi:10.3390/wsf-4-a001 (<http://www.sciforum.net/conference/wsf-4/paper/2446>)
4. ***Life Cycle Cost aspects of BIPV and conventional building components***, scientific journal paper in Advanced Materials Research (ISSN 1662-8985); Thorsten Schuetze, Advanced Materials Research, 1051, 696; doi:10.4028/www.scientific.net/AMR.1051.696, October 2014 (<http://www.scientific.net/AMR.1051.696>)
5. ***Korea on the way to Zero Emission Buildings***; proceedings of the 5th International Koranet Zebistis Symposium, 21st & 22nd August 2014, Institute for Natural Resource Sciences, ZHAW Wädenswil, Switzerland, pp. 217-239 (http://www.zebistis.ch/index.php?option=com_content&view=article&id=22&Itemid=141)
6. ***Primary Exploration of the Feasibility of Passive Houses in Korea and China***, scientific journal paper in Journal of Harbin Institute of Technology (New Series) (ISSN 1005-9113); Thorsten Schuetze, Zhou Zheng-Nan; Journal of Harbin Institute of Technology (New Series), Vol.21, No.4, 2014, pp. 69-76, 6 June 2014, Harbin, China (http://hit.alljournals.cn/jhit_en/ch/reader/view_abstract.aspx?flag=1&file_no=20140411&journal_id=jhit_cn)
7. ***Gebäudeintegriert !*** (Building Integrated), scientific journal paper (in German) in architectural journal db - Deutsche Bauzeitung (ISSN 0721-1902); Thorsten Schuetze; db 04/2014, pp. 68-72, April 2014, Leinfelden-Echterdingen, Germany (<http://www.db-bauzeitung.de/de/22/Gebaeudeintegriert.html?aid=189203&cp=1&action=showDetails&searchall=Gebäudeintegriert>)
8. ***Zero emission buildings with urban infrastructure systems for the production and management of energy, water, food and organic waste***, proceedings of the 1st Symposium on Green Infrastructure for Future City & 4th International Koranet Zebistis Symposium, 8 April 2014, International Conference Chamber (319), Korea Land and Housing Corp. (Ori Building), 175 Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea, organized by Land & Housing Institute, Sungkyunkwan University (Department of Architecture), Korean Society of Environmental Engineers (Specialist Group on Green Infrastructure for Future City), Smart Green Infrastructure

and Low Impact Development Group, Korean Society of Civil Engineers (Committee for Future City), Republic of Korea, pp. 93-102

9. **Urban Water Cycle Management - Strategies, Policies and Regulations in Germany and The Netherlands**, proceedings of "Urban Water Cycle Symposium", Seoul City Government and Korean Society of Water Environment, 1 April 2014, Seoul City Hall, Seoul, Republic of Korea, pp.71-90
10. **Urban Stormwater management using Green Infrastructure in Germany**, proceedings of "Water-Energy Nexus for Non-Point Source Pollution Management", 26 March 2014, The National Institute of Environmental Research of Korea (NIER), Managing the Science and Technology Center(B1F), 635-4, (Yeoksam-dong) 22, 7Gil, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea

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12. **Integrated Design of Zero Emission Buildings**, proceedings of 3rd International ZEBISTIS Symposium, Theoretical and practical concepts for sustainable buildings and interactions, 24 October 2013, Lares Park Hotel, Istanbul, Turkey, pp. 135-154
13. **Primary exploration of the research framework for urban cohesion and sustainable urban regeneration, using the examples of historical districts in Seoul and in Beijing**; proceedings of 7th Conference of International Forum on Urbanism (IFoU) Creative Renaissance, October 7–11 2013, College of Planning and Design Cheng Kung University, Tainan, Taiwan, pp. 530-541 (http://www.up.ncku.edu.tw/ifou2013_creative-renaissance/index.php/publications)
14. **Terra Preta Sanitation – a key component in sustainable urban resource management systems**; proceedings of 1st International Terra Preta Sanitation Conference at Hamburg University of Technology Organized by GFEU and WECF, Hamburg, Germany, 28-31 August 2013 (<http://www.terra-pretas-sanitation.net/cms/index.php?id=45>); Thorsten Schütze & Peter Thomas; Terra Preta Sanitation, Ed. Bettendorf, T., Wendland, C., Otterpohl, R. Deutsche Bundesstiftung Umwelt, ISBN 978-3-00-046586-4 (<http://www.terra-pretas-sanitation.net/cms/index.php?id=58>)
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17. **Integration of Photovoltaics in Buildings—Support Policies Addressing Technical and Formal Aspects**; scientific journal paper in MDPI Energies (ISSN

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18. ***Integrating Decentralized Rainwater Management in Urban Planning and Design: Flood Resilient and Sustainable Water Management Using the Example of Coastal Cities in The Netherlands and Taiwan***; scientific journal paper in MDPI Water (ISSN 2073-4441); Thorsten Schuetze, Lorenzo Chelleri; *Water* 2013, 5(2), 593-616; doi:10.3390/w5020593, May 2013 (<http://www.mdpi.com/2073-4441/5/2/593>)
 19. ***Rainwater Harvesting and Management - Policy and Regulations in Germany***; scientific journal paper in *Water Science and Technology: Water Supply* (ISSN Print: 1606-9749); Thorsten Schuetze; *Water Science and Technology: Water Supply*, Volume 13, Issue 2, 2013, pp. 376-385, March 2013 (<http://www.iwaponline.com/ws/01302/ws013020376.htm>)
 20. ***Sustainable Urban (re-)Development with Building Integrated Energy, Water and Waste Systems***; scientific journal paper in MDPI Sustainability (ISSN 2071-1050); Thorsten Schuetze, Joong-Won Lee, Tae-Goo Lee; *Sustainability* 2013, 5, 1114-1127; doi:10.3390/su5031114, 7. March 2013 (<http://www.mdpi.com/2071-1050/5/3/1114>)
 21. ***Introduction to ZEBISTIS KORANET Project***; proceedings of 1st International Symposium Zero Emission Building Integrating Sustainable Technologies and Infrastructure Systems, 14th January 2013, Seoul, Sungkyunkwan University, 600th Anniversary Building, Republic of Korea, pp. 11-25
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22. ***Comparative Evaluation of Low-Energy, Passive and Zero-Energy Houses in The Netherlands and Belgium***; proceedings of 2012 annual conference of Land and Environment Sustainability Forum (L.E.S Forum) Forum 24th November 2012 at University of Seoul, Seoul, South Korea, pp. 185-194 (<http://lesforum.org>)
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 24. ***Bewonerservaringen in seriematige Passiefwoningen (Experience of Inhabitants in Serial Passive Houses)***, proceedings of 11th Passive House Symposium 2012, 5 October 2012; Erwin Mlecnik, S.J.T. Jansen, T. Schuetze, G. De Vries; Proceedings 11th Passive House Symposium 2012, 5 October 2012, Crowne Plaza Bruxelles, Passiefhuis-Platform vzw (PHP) Bruxelles, Plate-forme Maison Passive asbl (PMP), Belgium, pp. 136-145, 2012 (http://www.passivehouse.be/symposium/about_symposium/what-is-symposium/)
 25. ***Lessons from Green Strategies of the Laboratory Buildings in the U.S. – Focus on the Recent Green Development of LABS21 and LEED***, scientific journal paper (in Korean) in *Journal of the Korea Institute of Ecological Architecture and Environment*; Joongwon Lee, Thorsten Schuetze; *Journal of the Korea Institute of Ecological Architecture and Environment*, 57, Vol. 12 No.5 2012.10, ISSN 1598-3730, pp. 43-52, 2012

26. ***Application of the Flowerbed Type Infiltration System for Low Impact Development***, scientific journal paper (in Korean) in Journal of the Korea Institute of Ecological Architecture and Environment; Young-Hae Han, Tae-Goo Lee, Thorsten Schuetze; Journal of the Korea Institute of Ecological Architecture and Environment, 55, Vol. 12 No.3 2012.6, ISSN 1598-3730, pp. 33-40, 2012
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 30. ***Passive Houses in Belgium and The Netherlands***; proceedings of the "2012 European Passive House Symposium", AT Center, Seoul, South Korea, May 10th 2012, organized by DuPont Building Innovations, South Korea, pp. 1-31
 31. ***Towards sustainable architecture and urbanism through responsible tourism and the realization of zero-emission hotels***; proceedings 6th Conference of the International Forum on Urbanism (IFoU), CD-ROM, ISBN: 978-84-8157-620-7, Page 1-10. Tourbanism, January 25th to 27th, 2012, Catalanian Politechnic University (UPC) Barcelona, organized by: Barcelona School of Architecture (ETSAB) in collaboration with the Municipality of Barcelona, the Provincial Government of Barcelona, Casa Asia & Universities from the IFoU network; Thorsten Schuetze; Barcelona, 2012 (<http://upcommons.upc.edu/revistes/handle/2099/12137?locale=en>)
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34. ***Low-Energy Passive and Zero-Energy Houses in The Netherlands and Belgium: an evaluation based on end-user experiences***; proceedings 4th Nordic Passive House Conference 17 - 19 October, 2011 Helsinki, Finland; Erwin Mlecnik, Sylvia Jansen, Thorsten Schuetze, Ger de Vries; Helsinki, Finland 2011
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40. ***Economical aspects of multifunctional photovoltaic building component applications*** (German Title: Wirtschaftliche Aspekte beim Einsatz multifunktionaler photovoltaischer Bauteile); proceedings 26. Symposium Photovoltaische Solarenergie, 02. – 04. March 2011, Kloster Banz, Bad Staffelstein, Germany; pp. 546-551, Thorsten Schuetze & Heinz Hullmann; ISBN: 978-3-934681-51-9, Ostbayerisches Technologie-Transfer Institut e.V. (OTTI), Regensburg, Germany, 2011
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