

ASD Discovery

We SHARE to inspire and ignite ideas for
Architecture & Sustainable Design (ASD) pillar!

The titles featured here are to give you a peek into the wealth of resources we have. We hope, through this will encourage you to explore and read further. Share with us topics of importance to ASD and we can introduce relevant titles from some [400,000 eBooks](#) we carry.

March 2016

PUBLICATIONS BY ASD

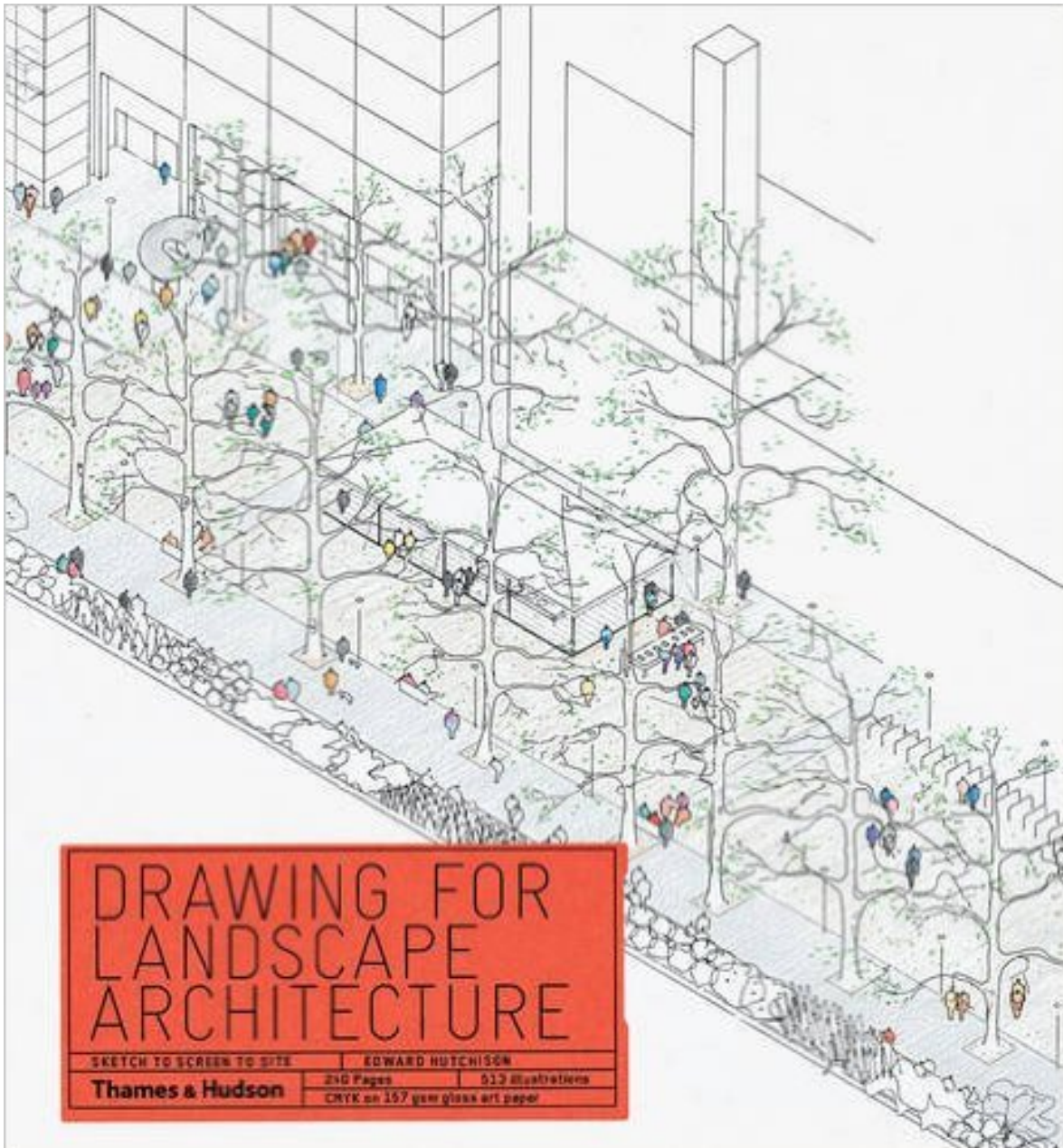


A modelling-mapping approach for fine-scale assessment of pedestrian-level wind in high-density cities

Co-authored by ASD's SUTD-MIT Postdoc Fellow, Dr. Yuan Chao, this study suggests a practical modelling-mapping way for assessing fine-scale pedestrian level-wind as crowded high-rise buildings often result in stagnant air in high-density urban areas which have led to exposure to air pollution and outdoor thermal discomfort. Therefore, the researchers suggest this modelling-mapping approach which will enable more efficient decision-making in urban planning and design.

Source: [Building and Environment](#) (February 2016)

NEW RESOURCES



Drawing for landscape architecture : sketch to screen to site

An essential volume for landscape- and garden-design professionals, *Drawing for Landscape Architecture* advocates the importance of learning to "see by hand," to visualize large-scale design plans and articulate them through drawing before turning to the digital tools that are so crucial to efficient and cost-effective building solutions. This enriched approach makes for better design, happier clients, and more successful projects.

Publisher: [Thames & Hudson](#) (2016)



"Link" by Gensler and FilzFelt Brings Color and Texture to Screens and Wallcoverings

To prevent glaring lights from entering a room via the windows, the developers explored for a flexible, free-form solution, and a soft material which led them to discover "Link" modular felt panels. It can also be used for room partitioning; reduce noise levels or even add texture to a wall surface! Check out how this material has been used creatively at different places!

Source: [ArchDaily](#) (December 2015)



Zero-energy home development in Korea: energy-efficient and environmentally friendly design features and future directions

Zero-energy houses theoretically do not consume energy for heating, cooling, or other daily activities. The authors aimed to study the energy efficiency and environmental friendliness of the features of such homes in Korea. Case studies in this article consist of 2 zero-energy experimental houses and an occupied zero-energy neighbourhood. It was found that that renewable energy systems were used in zero-energy houses in Korea. They also mention that the design and development of zero-energy houses should be promoted to emphasize them as an energy-efficient and environmentally-friendly residential choice.

Source: [Housing and Society](#) (January 2016)