

– 2018 Keynote Presentation –

New York Times to Central Park Tower: Case Studies From An ‘Accidental Practitioner’

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ABSTRACT

Building science is an applied science. As such, building scientists are encouraged to demonstrate that their research has had some substantive impact in the 'real world'. In contrast to what is typically portrayed by research councils and funding bodies, the routes to real-world impact are largely hidden, or at best poorly delineated. Often it is only with hindsight that one can see how things unfolded. This talk describes a diverse collection of case-studies where 'blue skies' research ended up being applied to notable building projects or leading to major changes in standards/guidelines.

BIOGRAPHY

John Mardaljevic (PhD FSELL FIBPSA) is Professor of Building Daylight Modelling in the School of Architecture, Building & Civil Engineering, Loughborough University (UK). Mardaljevic pioneered what is now known as Climate-Based Daylight Modelling (CBDM). Founded on rigorous validation work, CBDM is now the basis for research and, increasingly, industry practice worldwide. Mardaljevic's practice-based research and consultancy includes major projects such as the New York Times Building and The Hermitage (St. Petersburg). He currently serves as the 'UK Principal Expert on Daylight' for the European Committee for Standardisation CEN / TC 169 WG11, and on a number of International Commission on Illumination (CIE) technical committees. In 2012 Mardaljevic was presented the annual UK lighting award by the Society for Light and Lighting (SLL). He is Associate Director for Daylighting CIE Division 3 and CIE-UK Representative also for Division 3. In 2017 he received the IBPSA Innovative Application Award.