



Windows in Buildings

By J. Kubie, Tariq Muneer, N. Abodahad

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'Windows in Buildings' presents state-of-the-art information on high efficiency glazing systems and their energetic and environmental impact on modern buildings.

Glass and glazing systems lie at the heart of window design and this book provides an understanding of their interaction and relation to built structures which is crucial to the modern designer.

The information is presented in easy-to-use charts, tables and software for the design and selection of glass, glazing systems and other window materials, to enable their suitable and appropriate incorporation into modern buildings.

The accompanying CD ROM demonstrates the computation examples in the book. It contains over 50 Excel spreadsheets showing window design data and routines for analysing a building's thermal, visual and aural environments. This information is the result of many years of research undertaken by the authors.

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About the Author

Professor Tariq Muneer, BEng(Hons), MSc, PhD, DSc, CEng, MIMechE, FCIBSE, Millennium Fellow is currently Professor in Energy Engineering at Napier University, Edinburgh. Professor Muneer has been engaged in research work related to understanding the physics of terrestrial solar radiation. Undertaken in four continents across the world, the results of his 25 years of painstaking work are now being used as the basis for all slope energy calculations across the European Union and the United Kingdom. The work has been published in over a hundred technical articles and three major research monographs. Professor Muneer has contributed very widely towards the development of science and technology of energy systems. At Napier University he chairs a large research programme on the measurement and utilisation of solar energy. Professor Muneer is an international authority on solar radiation, daylight illuminance modelling, and solar energy utilisation. He is chairman of the Chartered Institution of Building Service Engineers' (London) solar data task group, and in this capacity he has been involved in the production of the CIBSE Guide J for weather and solar data. Professor Muneer has written 5 books and over 140 articles. His awards include the Royal Academy of Engineering ESO, Leverhulme Trust and University College, Oxford/General Electric Company research fellowships, Osmania University's Karamet Jung Gold Medal, and the CIBSE Carter and Napier Shaw Bronze Medals, and the Society for Light & Lighting's Best Article Award. To date Professor Muneer has successfully produced 12 PhD and 3 MPhil graduates with a further 6 supervisees awaiting their doctoral completions.

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