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mathematics courses. Dr Attenborough is a former Senior Lecturer in the School of Electrical, Electronic and Information Engineering at South Bank University. She is currently Technical Director of The Webbery - Internet development

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into the design of smart cities is more relevant than ever. While based on the advent of big data and the use of information and communication technologies, smart cities must now respond to cross-cutting issues involving urban development, energy and

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environmental constraints;  
further, these cities must also  
explore how they can integrate  
more sustainable energies.  
Sustainable energies are a major  
determinant of smart cities'  
longevity. From an environmental  
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these energies offer an optimal power supply to the electric network while creating significantly less pollution. This requires flexibility, i.e., the availability of supply and demand. The end goal of any smart city is to improve the



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This book encourages the reader to engage in the preservation of our environment, every moment, every day, so as to help build a

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