



Development of Smart Neighbourhoods: The Urban Planning and Digital Technologies Nexus

Guest Editors:

Dr. Bankole Osita Awuzie

Department of Built
Environment, Central University
of Technology, Bloemfontein
9300, South Africa

Dr. Temitope Omotayo

School of Built Environment,
Engineering and Computing,
Leeds Beckett University, Leeds
LS2 8AG, UK

Dr. Lovelin Obi

Department of Architecture and
the Built Environment,
Northumbria University,
Newcastle upon Tyne NE1 8ST,
UK

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Message from the Guest Editors

Dear Colleagues,

As microcosms of Smart Cities, Smart Neighbourhoods should be forward-thinking, resource-efficient and interconnected. Therefore, these neighbourhoods are expected to serve as a platform, within which devices, such as sensors, actuators, and smartphones, are embedded, leveraging on the connectivity potentials offered by the Internet of Things (IoT). Accordingly, an increasing deployment of these technologies in enabling optimal and sustainable energy generation and usage, water management, indoor and outdoor environmental quality, waste management, intelligent and autonomous vehicular transportation, e-healthcare, e-education, and e-governance has been observed.

In this Special Issue, we would like to invite research works, real-world use cases, and scenarios focusing on the contribution of digital technologies towards facilitating a paradigmatic shift in urban planning theories, principles, and processes in the development of smart neighbourhoods. Further, studies focusing on the impact of urban planning principles on the deployment of digital technologies within Smart Neighbourhoods are welcome.





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Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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