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Geodesign in Urban Planning

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Message from the Guest Editors

Modern urban systems represent networks of interconnected dependencies of almost inconceivable complexity. Yet, the pace of global urbanization shows that history will not wait for scholars to parse out these dependencies. Global cities continue to grow. This growth is taking place under the twin global crises of environmental degradation and economic inequality. The long life of urban buildings and infrastructure all but guarantees interventions built today will have tremendously long-lasting impacts as humanity fights these twin crises.

Fortunately, designers are armed with a vast amount of spatially explicit data on cities and environments that is unparalleled in history. Contemporary urban development techniques must seek a way to harness the power of this data to ensure better-built environment outcomes. Geodesign, the brainchild of Carl Steinitz, offers a path to embrace newly available data to create new urban landscapes that are optimized for a variety of stakeholders.

In this issue, we are seeking cutting-edge research on how geodesign principles might be harnessed to improve urban outcomes, be they environmental, social, or economic in nature.



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Special Issue

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Message from the Editor-in-Chief

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