COMPUTERS, ENVIRONMENT AND URBAN SYSTEMS

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DESCRIPTION

*Computers, Environment and Urban Systems* is an interdisciplinary journal publishing cutting-edge and innovative computer-based research on urban systems, systems of cities, and built and natural environments, that privileges the geospatial perspective. The journal provides a stimulating presentation of perspectives, research developments, overviews of important new technologies and uses of major computational, information-based, and visualization innovations. Applied and theoretical contributions demonstrate the scope of computer-based analysis fostering a better understanding of urban systems, the synergistic relationships between built and natural environments, their spatial scope and their dynamics.

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Contributions emphasizing the development and enhancement of computer-based technologies for the analysis and modeling, policy formulation, planning, and management of environmental and urban systems that enhance sustainable futures are especially sought. The journal also encourages research on the modalities through which information and other computer-based technologies mold environmental and urban systems.

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Urban and regional planners and policy analysts, environmental planners, economic geographers, geospatial information scientists and technologists, regional scientists and policy makers, architectural designers.

AUDIENCE

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Computers, Environment and Urban Systems is an interdisciplinary journal publishing cutting-edge and innovative computer-based research on environmental and urban systems, that privileges the geospatial perspective. The journal welcomes original high quality scholarship of a theoretical, applied or technological nature, and provides a stimulating presentation of perspectives, research developments, overviews of important new technologies and uses of major computational, information-based, and visualization innovations. Applied and theoretical contributions demonstrate the scope of computer-based analysis fostering a better understanding of environmental and urban systems, their spatial scope and their dynamics. Interdisciplinary perspectives are strongly encouraged. Application areas include environmental analysis, modeling and management, urban planning, economic development, emergency response and hazards, housing, land and resource management, infrastructure and facilities management, physical planning and urban design, transportation, business, and service planning. Examples of methodological approaches include geographic information systems, decision support systems, geocomputation, spatial statistical analysis, complex systems and artificial intelligence, visual analytics and geovisualization, ubiquitous computing, virtual rendering and simulation.

Contributions emphasizing the development and enhancement of computer-based technologies for the analysis and modeling, policy formulation, planning, and management of environmental and urban systems that enhance sustainable futures are especially sought. The journal also encourages research on the modalities through which information and other computer-based technologies mold environmental and urban systems.

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