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## GIS Software and Engineering for Big Data

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### Message from the Guest Editors

The increasing spread and usage of big data is changing the way data are managed and analyzed. The capabilities of traditional GIS (geographical information system) software are often limited in dealing with big data challenges, such as versatile data forms, streaming processing, large scale parallel computing, and dynamic mapping and visualization. Significant improvements are needed in innovative software development and engineering applications of GIS, such as dynamic observations of sensors including VGI, new data models and indexing algorithms, novel methods in mapping and visualization, data mining and analysis technologies for big geospatial data, et al. As a result, the GIS software and engineering domain has seen increasing applications for advanced information technologies, such as the map/reduce computing paradigm, stream processing, NoSQL/NewSQL, block chain, and artificial intelligence technologies. This Special Issue intends to collect the latest and future directions in GIS software development and engineering applications to deal with spatio-temporal big data. We invite authors to submit their original papers.



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# Special Issue

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## Message from the Editor-in-Chief

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