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# New Advance of Statistical Analysis and Low Dimensional Topology

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#### **Message from the Guest Editors**

A successful simulation and analysis in reduceddimensional manifolds might depend on pre-processing of the original actual data. appropriate mapping. feasibility reconstruction techniques, and the of implementing a solution in the reduced space. The feasibility of simulation implementation in the reduced length can be dependent on preserving the original space's governing equations. To avoid additional term(s) which may result from mapping to low-dimensional topology, the original governing equations of a system should be approximated as closely as possible. Additionally, the resulting reduced system should preserve the stability of the original one. Reviews or new research studies on any techniques and latest algorithms in developing reduced models from the pre-processing of high-fidelity data through the implementation of analysis/simulation in the reduced manifold space to the reconstruction of the original variables' solution are welcome in this special issue



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### Message from the Editor-in-Chief

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