

Numerical methods for PDEs and their applications

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This minisymposium will explore the recent development in high order accurate, efficient numerical schemes for solving differential equations and their applications arising from science and engineering. We would like to promote exchange of mathematical ideas by gathering researchers from areas of numerical analysis and scientific computation. The numerical methods that will be discussed include discontinuous Galerkin methods, high-order accurate finite difference methods, spectral methods, as well as interface methods, and efficient nonlinear equation solvers et al. We will also discuss applications from areas such as biology, fluid dynamics, and geological sciences et al.