



## Differential Geometry and Related Integrable Systems

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### Message from the Guest Editor

This volume is dedicated to the study of geometric objects that represent critical points of certain curvature functionals. Many interesting classes of surfaces appear from the calculus of variations, as solutions of Euler–Lagrange equations, thus bringing close together the fields of geometric integrable systems and mathematical physics. Common examples include Willmore surfaces and constant-mean-curvature surfaces. The tools used to study these surfaces involve the calculus of variations and PDE, Lie group theory, harmonic map theory, gauge theory, along with real and complex manifolds. The different techniques and fields involved unify research interests, rather than dividing them. The key idea of this work is to present groundbreaking and recent research in differential geometry and integrable systems and to stimulate further collaborations.





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## Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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