GUEST EDITORS' FOREWORD

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This special issue of the *Journal of Computational Geometry* contains a selection of the best papers that were presented at the 32nd Annual ACM Symposium on Computational Geometry, which was held in Boston, USA, on June 14-17, 2016. The five papers in this special issue were invited, submitted, reviewed, and revised according to the usual high standards of this journal. It is our pleasure to briefly introduce these contributions.

Iyad Kanj, Ljubomir Perković and Duru Türkoğlu present an $O(n \log n)$ algorithm for constructing a plane geometric spanner with maximum degree 4 and stretch factor 20, improving the previous best stretch factor of more than 150.

Martin Fink, John Hershberger, Nirman Kumar and Subhash Suri consider the problem of separability between two probabilistic points sets in d-dimensional space. If each point p exists with a probability $pr(p)$, what is the probability that both sets can be separated by a hyperfine? The authors describe an algorithm with runtime $O(n^d)$ for points in R^d.

Glencora Borradaile, Erin Wolf Chambers, Kyle Fox and Amir Nayyeri study methods for computing minimum cycle basis and minimum homology basis of surface embedded graphs. Their algorithms improve previous methods and reduce time complexities.

Irina Kostitsyna, Maarten Löffler, Valentin Polishchuk and Frank Staals examine various versions of the minimum-link path problem: Given an input domain, what is the polygonal path with the minimum number of edges connecting a given starting point to a target point? The authors settle several questions related to this problem.

Markus Geyer, Michael Hoffmann, Michael Kaufmann, Vincent Kusters and Csaba Tóth settle a 20-year-old conjecture by proving the "planar tree packing theorem": for any two non-star trees of n vertices there is a planar graph of n vertices which contains both trees as edge-disjoint subgraphs.

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