UNIVERSITY OF CALIFORNIA

Andres Calderon, PhD(C)

Andres Calderon
*Department of Computer Science
and Engineering
Riverside, CA 92521
Email: acald013@ucr.edu
Phone: 951-375-7344*

October 24, 2024

Dear Editors and Reviewers,

We are pleased to submit the revised version of our extended manuscript, titled "On Scalable DCEL Overlay Operations," for consideration in the Special Issue of GeoInformatica Journal. This work extends our previously published paper from SSTD 2023, "Scalable Overlay Operations over DCEL Polygon Layers."

We greatly appreciate the valuable feedback provided by you and the reviewers. We have carefully addressed all of the reviewers' comments and suggestions, and as a result, have made substantial revisions to improve the manuscript. Additionally, we have incorporated several minor changes aimed at enhancing its clarity and flow. A detailed account of our revisions is included in the attached response to the reviewers.

We believe that the revised manuscript now presents a clearer and more comprehensive treatment of the development of efficient and scalable methods for performing geometric overlay operations on polygon layers, utilizing the Doubly Connected Edge List (DCEL) data structure.

We are confident that the revised manuscript meets the high standards of GeoInformatica Journal. Should you require any additional information or clarification, please do not hesitate to contact us.

Thank you again for your time and consideration. We look forward to your response.

Sincerely,

Andres Calderon, PhD(C)