

## APROBACIÓN DE LA COMISIÓN CALIFICADORA

La Comisión Calificadora del presente trabajo conformada por los señores docentes Clay Aldàs y Dennis Chicaiza, revisó y aprobó el Informe Final del Artículo Académico titulado "Desarrollo de aplicación móvil con servicio georeferencial para la gestión de movilidad de personas sin vehículo en la ciudad de Ambato", presentado por la señorita ANA PATRICIA SÁNCHEZ PAREDES de acuerdo al numeral 9.1 de los Lineamientos Generales para la aplicación de Instructivos de las Modalidades de Titulación de las Facultades de la Universidad Técnica de Ambato.



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Clay Aldas  
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DEDICATORIA:

A Dios.

Por haberme dado la sabiduría y permitirme lograr la culminación de este trabajo, además de sus infinitos cuidados y amor.

A mi madre Paty.

Por haberme apoyado en toda mi carrera universitaria, por sus consejos, por la motivación constante que me ha permitido ser una persona responsable, pero más que nada, por su amor.

Ana Patricia Sánchez Paredes

## AGRADECIMIENTO:

Agradezco a Dios por su sabiduría e inteligencia, por la familia en la que me permitió nacer y por cada uno de sus integrantes, quienes me han proporcionado apoyo emocional y económico para lograr el cumplimiento de todo mi trabajo de titulación.

Ana Patricia Sánchez Paredes

## Abstract

—The governments of cities like Ambato face difficult geographic conditions for establishing a clean and efficient transportation system. This paper shows the results of 1) a theoretical study that measured the expected incidence of a reputation-based shared transportation system for e-collaboration and social welfare in a medium-size community and 2) an experimental evaluation of the effectiveness of a value-based reputation system with malicious user detection in such a scenario of e-collaboration. The study was conducted based on economic savings. The theoretical study involved the participation of 185 young citizens and 160 in the experimental evaluation. The theoretical results show that e-collaboration is meant to be successful in a shared transportation system in Ambato providing that trust is guaranteed. The experiment results show that the proposed model made it possible to detect 85% of malicious service consumers and that the satisfaction with the recommendations of the system is pretty high. These results are encouraging for using the proposed method in the implementation of a shared transport system in medium-size cities. Therefore, it is assumed that the obtained results are extrapolates to the context of a generic e-collaborative system.

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**A reputation-based shared transport system. A case study of e-collaboration in the city of Ambato.**

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**International Conference on eDemocracy &eGovernment (ICEDEG)**

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Ambato julio, 2018

EL TUTOR

A handwritten signature in blue ink, appearing to read 'Hernán Naranjo', is written over a horizontal dashed line. The signature is stylized and enclosed within a faint circular outline.

Hernán Naranjo





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## AUTORÍA

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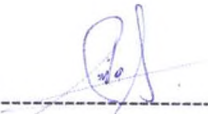
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