Optimización de la ubicación de un Conjunto de Puntos de acceso inalámbrico en una red de pequeña oficina empleando algoritmos genéticos*

*Note: Sub-titles are not captured in Xplore and should not be used

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***Abstract*—This document is a model and instructions for LaTeX. This and the IEEEtran.cls file define the components of your paper [title, text, heads, etc.]. *CRITICAL: Do Not Use Symbols, Special Characters, Footnotes, or Math in Paper Title or Abstract.**

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I. Introducción

El diseño de redes de pequeña oficina, ha tomado significativa relevancia durante las últimas décadas, como resulltado del incremento de cobertura en los servicios de internet en ámbitos comerciales. El posicionamiento de los puntos de acceso que constituyen dichas redes, se ha transfomado en una actividad trascendental para el correcto funcionamiento de los implementados, haciendo necesario el surgimiento de tecnologías de simulación que faciliten el proceso de diseño. La investigación efectuada, describe el prooceso de implementación de un simulador de la potencia recibida en cada uno de los puntos que conforman un escenario de operación descrito por una imagen del plano de las instalaciones, como resultado de la interacción de un número determinado de puntos de acceso, desplegados en diferentes ubicaciones. El simulador es empleado para la optimización de la posición del conjunto de puntos de acceso, mediante la implementación de un algoritmo genético.

This document is a model and instructions for LaTeX. Please observe the conference page limits.

Identify applicable funding agency here. If none, delete this.

II. Ease of Use

A. Maintaining the Integrity of the Specifications

III. Prepare Your Paper Before Styling

A. Abbreviations and Acronyms

B. Units

C. Equations

D. LaTeX-Specific Advice

E. Some Common Mistakes

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