**CD++ Model Data Form**

Title: Salt and Pepper Noise Filtering

Type: Cell-DEVS Model

Acronym/Short name:

Purpose for which Developed: A model to study how the Salt and Pepper noise is detected and removed from the image.

Other Applications for which it is Suitable:

Date Developed/Implemented: November 2017

Domain: Image processing

Current Version:

URL:

Description (including characteristics): Noise filtering in an image is one of the fundamental processes of image processing. In this assignment, I am planning to use cellular automata for noise detection and removal in a two-dimensional image. Each pixel of the image can be assumed as a cell. Each pixel will be compared to its neighborhood. If the cell is the different state than most of its neighbors, choose the majority cells’ state value. If the cell is the same state as most of its neighbors, keep the state of the cell unchanged.

Links to Related Documents

Short Title:

URL:

Description:

Keywords: noise, image, pixels

Developer:

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| Name: Yogirajsinh Rathod | Student Id: **101088921** |
| Address 1: Carleton University | Email id:  yogirajsinhpravinsin@cmail.carleton.ca |
| Address 2: -- |  |
| City: Ottawa | Province/State-Country: Ontario-Canada |
| Zip: -- | Phone: -- |