**CD++ Model Data Form**

Title: Dynamic CO2 Producer Model

Type: CELL-DEVS Model

Acronym/Short name: N/A

Purpose for which Developed: An expiation of “CELL-DEVS MODELS FOR CO2 SENSORS LOCATIONS IN CLOSED SPACES”, adding a dynamic behavior to the CO2 producer.

Other Applications for which it is Suitable: -

Date Developed/Implemented: 13th November 2020

Domain: Other

Current Version: 1.0

URL:

Description (including characteristics): The new dynamic behavior of the CO2 producer can be either random or schedule based. The CO2 generator changes cell every 5 seconds in a chosen direction, traveling through its environment, adding CO2 to the simulation. The expiation and dissipation of the CO2 is analyzed.

Links to Related Documents

Short Title:

URL:

Description:

Keywords: COVID, CELL-DEVS, CO2

Developer:

|  |  |
| --- | --- |
| Name: Sebastien Cook | Acronym: 101022643 |
| Address 1: | [e-mail]: sebastiencook@cmail.carleton.ca |
| Address 2: |  |
| City: Ottawa | Province/State-Country: ON |
| Zip: | Phone: |