

ABSTRACT for PACDEFF

Written by Shigeru Fujii x Version 5.0/FNL as of 23Aug

The rapidly increasing role of AI is quite amazing.

I hope my presentation will help the delegates to see more clearly what the options might be.

1. JOB TITLE: Manager of Pilot Training Dept of Japan Airlines (JAL)
2. EMAIL ADDRESS: fujii.skwn@jal.com
3. SHORT BIOGRAPHY: I was an assembler programmer and developed an airline passenger system. Now I'm on the project to develop PPS (Proactive and Predictive System to mitigate/minimize/eliminate PIC's fatal decision-making errors by Deep Learning AI) which is a Deep Learning AI integrated pilots safety system to get the absolute safety for daily flight operations.
4. CONFERENCE PRESENTATION EXPERIENCE:

2018 WATS SPEAKER in USA

<https://www.wats-event.com/conferences/pilot/fujii-shigeru>

2018 HFR SPEAKER in USA (Please see the attached brochure for 8th Human Factors Roundtable Apr10-12,2018)

Agenda Thursday, April 12, 2018 / Day2 Noon

Room 2 "Pittsburgh" Proactive and Predictive Human Factors - Mr. Fujii Shigeru

2019 AAETS SPEAKER in USA

<https://www.aaets-event.com/2019-conference>

Day 2 - Friday 28th June 2019

WORKSHOP 5: MPL - Selection/Content

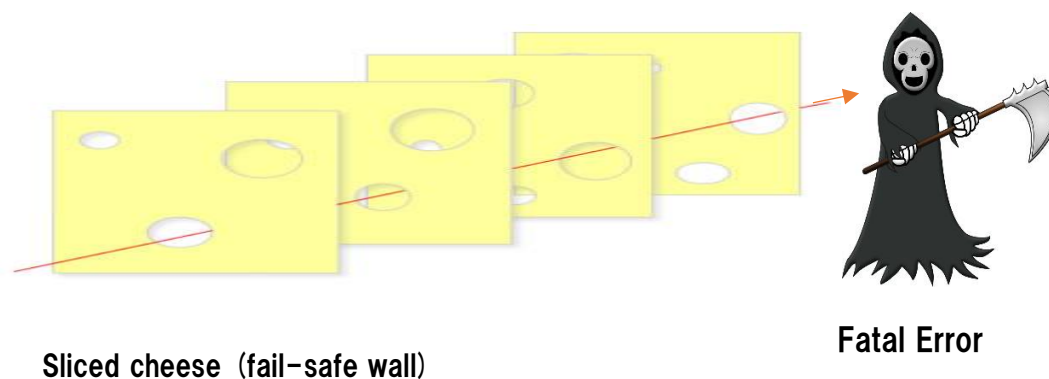
3) Shigeru Fujii

5. ABSTRACT

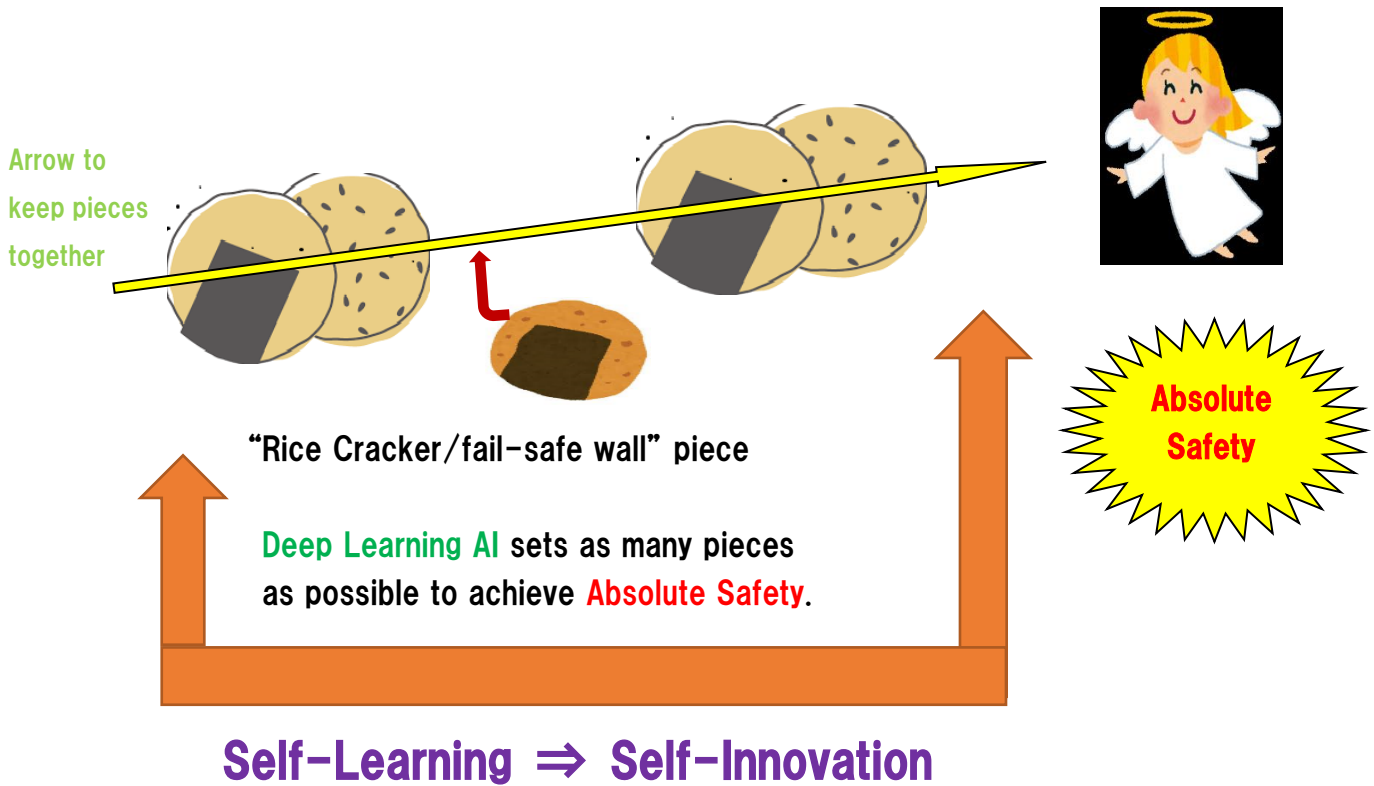
To think about the risk management focusing on PIC's fatal decision-making errors, I'd like to build up the world of aviation absolute safety with the help of Deep Learning AI where we can make a Copernican revolutionary/fundamental change in our common sense that a PIC is doomed to make fatal decision-making errors in the worst case because he is a human being.

That is, with help of Deep Learning AI integrated system, I want to mitigate/minimize/eliminate PIC's fatal decision-making errors, where the shift from "James Reason's Swiss Cheese Model" to "Shigeru Fujii's Japanese Rice Cracker Model" is created. For details, please see the attached docu on PPS.

(1) James Reason's Swiss Cheese Model ⇒ from bad to worst / negative spiral



(2) Shigeru Fujii's Japanese Rice Cracker Model ⇒ from good to best / positive spiral



At last WATS I asked the audience to join my PPS project after telling them I want to divide the world into three groups, that is, (1) Asia & Oceania group, (2) North & South America group and (3) Europe & Africa group, but I got no replies. I'll persevere in my effort to get the partner at PACDEFF, WATS, whatever global events until I get the partner.