## (6) Title

Review of STAMP/STPA case studies and explanation support of STPA process using GSN

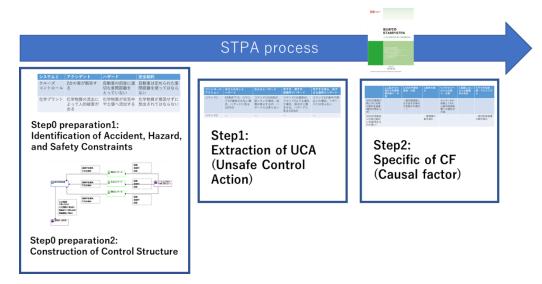
## Speaker, Authors

College of science and technology, Nihon university. Taito Akiyama, National Institute of Technology, Sendai College. Keisi Okamoto, College of science and technology, Nihon university. Yutaka Matsuno

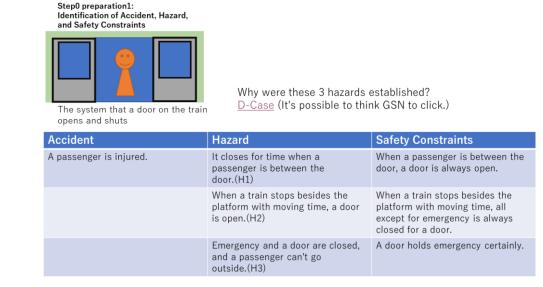
## Abstract

STAMP/STPA method was also tried in Japan in recent years, and a STAMP workshop was held at Kyushu University the first time last year. But much, a point different from a conventional risk analytical method (FTA,FMEA) has just started with sharing of know-how for the implementation.

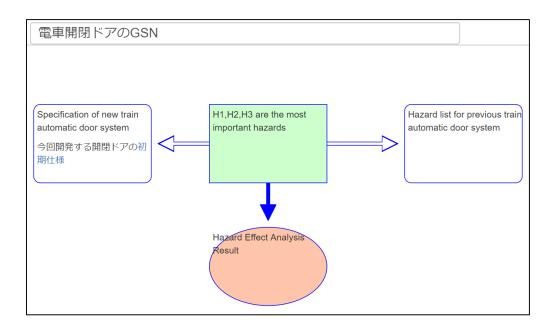
I'll look back to an announced case by the STAMP workshop the first time by this publication and report the moot point for putting STAMP/STPA into effect, and regaining consciousness. The GSN pattern why to do do those accidents, a hazard and the explanation support of whether a control structure was set using GSN (Goal Structuring Notation) is proposed about the point which becomes a problem in each step of STAMP/STPA (for example, accident, setting of a hazard and setting of control build).



I don't sometimes know for example why the hazard is important in setting of a hazard in a procedure of STAMP. At that time, the explanation, it's supplemented in GSN.



GSN where a hazard above-mentioned indicates a chosen reason is indicated.



## Keywords

- (1) STAMP/STPA
- (2) Review
- (3) Explanation support
- (4) GSN