

## عنوان مقاله:

THE DOMINO EFFECT OF FATIGUE ON AIR TRAFFIC (CONTROLLERS' PERFORMANCE AND ACCORDINGLY ON AIR SAFETY

## محل انتشار:

دومین همایش ایمنی هوانوردی (سال: 1381)

تعداد صفحات اصل مقاله: 10

## نویسنده:

## خلاصه مقاله:

In this paper, the "Domino Effect" of "Fatigue" on Air Traffic Controllers' performance and also on air safety is discussed. Fatigue definitely reduces attention span and concentration as well as adversely affects Short Term Memory (STM) and Long Term Memory (LTM), so that with the affected STM and LTM, it would be actually difficult for the controller(s) to make appropriate and the best possible mental picture(s) of a given air traffic in a given airspace to provide air traffic service. Also, with unfavorably affected memory, controllers may lose their mental pictures either partially or wholly. Moreover, they accelerate controllers to commit Slips of the tongue, Slips of the hand, Slips of the ear, Slips of the eye, and Slips of the mind. These slips interfere with the processing of the data; as a result, different classes of error are undeliberately committed, which may lead to aircraft proximity and accident accordingly. Then, the domino effect of aircraft proximities and likely accidents are briefly discussed, and finally, some proposals are put forward in order for the concerned authorities to nullify the domino effect of fatigue.

## کلمات کلیدی:

Fatigue, Domino Effect, Span of Attention, Concentration Short Term Memory (STM) Long Term Memory (LTM), Slip, Error

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