



* We must prevent dangers at
Level Crossings

ASAP

UN-ECE Group of Experts on Safety at Level Crossings

Subgroup on Human factors:

M. Cale - CogniTo Israel

G. Dinobl - ÖBB-Infrastruktur AG

J. Gripenkoven - German Aerospace Center e.V. (DLR)

Geneva, November 2015

Eged Hesseim

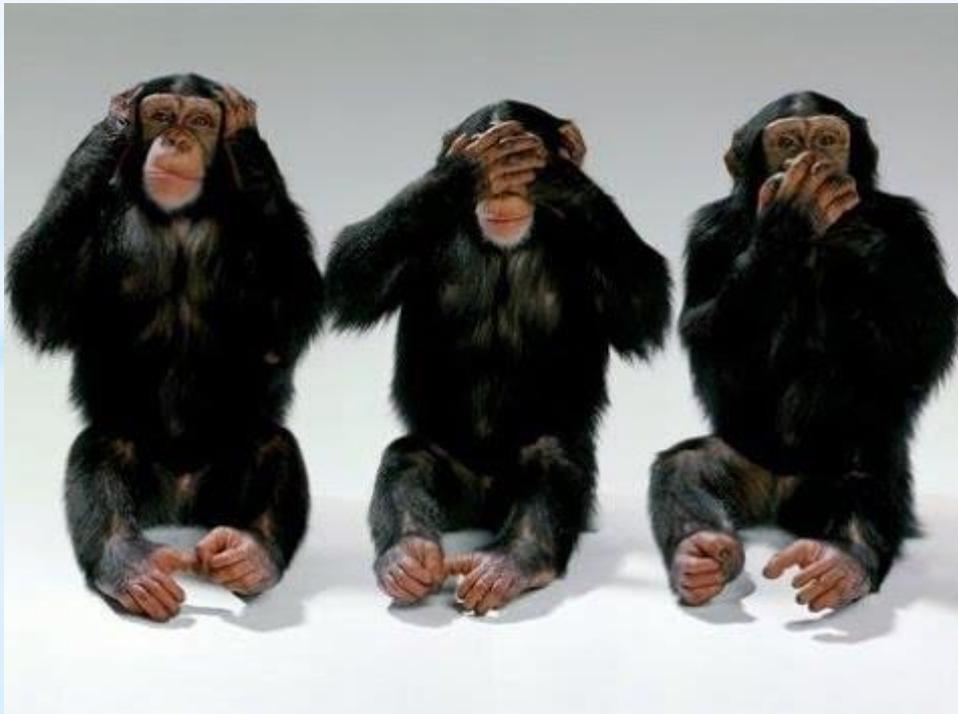


Leaders in Traffic Safety



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Prior strategy:



פתרונות :



ניתוח אירועים בעזרת ASAP

Analytic system for accident prevention



לימוד מרחוק E-LEARNING



בדיקות כישורי נהיגה VTS

Use of five groups of psychological functions when approaching a LX

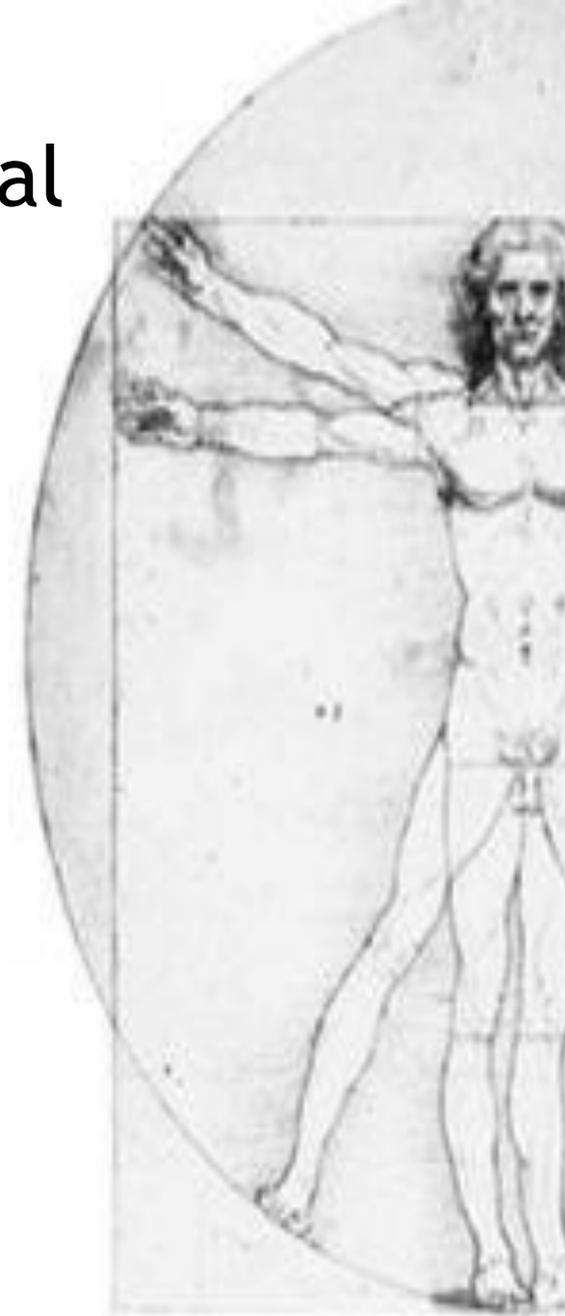
1. Attention

2. Perception

3. Cognition

4. Motivation

5. Performance



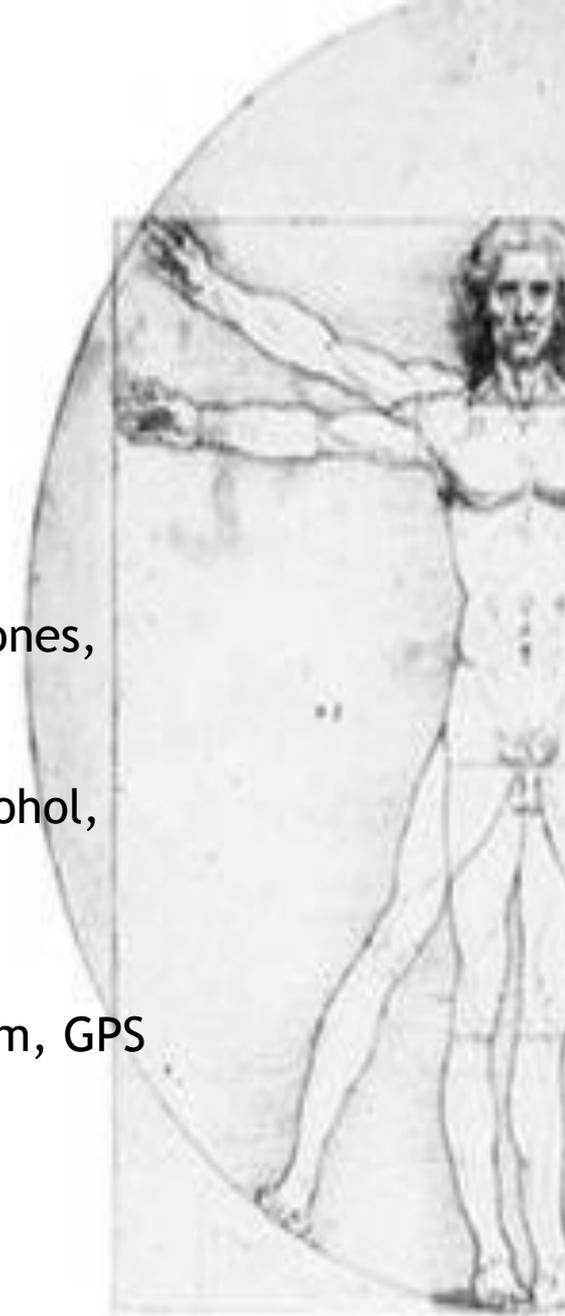
1. Attention

Monitoring the road

Refraining from distracting activities (cell phones, GPS, radio, food, drink etc.)

Influence of problematic factors (fatigue, alcohol, emotional state etc.)

Factors competing for attention (kids in car, advertisements, other vehicles, radio program, GPS etc.)

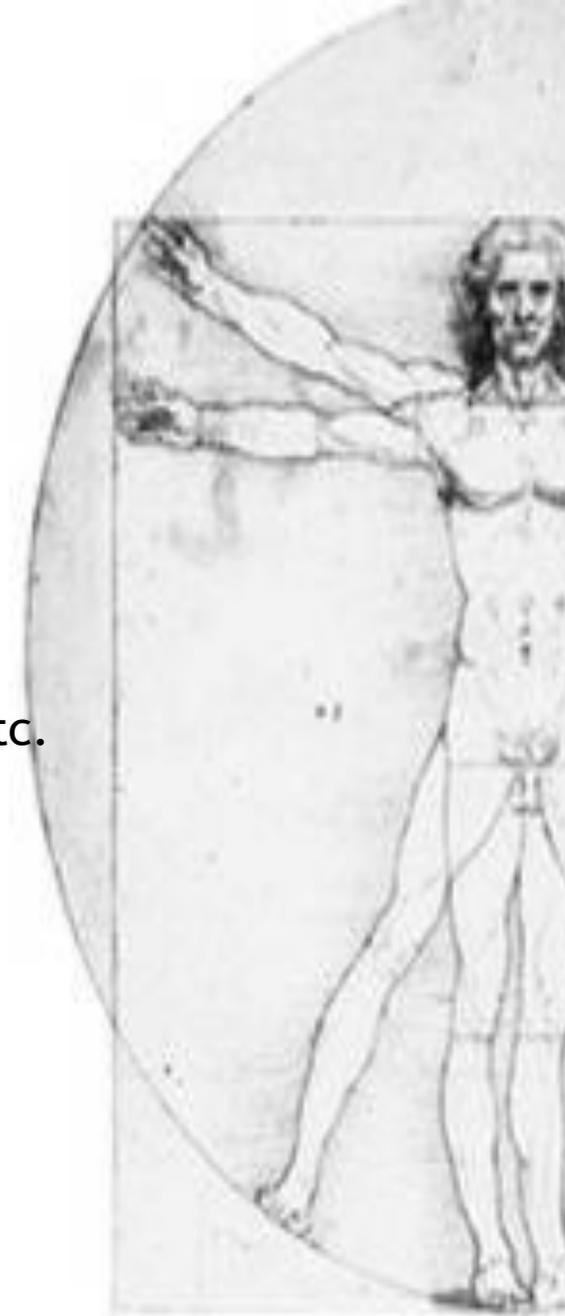


2. Perception

Perception of signs, lights, markings and barriers

Perception of distance, speed, changes in road etc.

Perception of the behavior of other road users

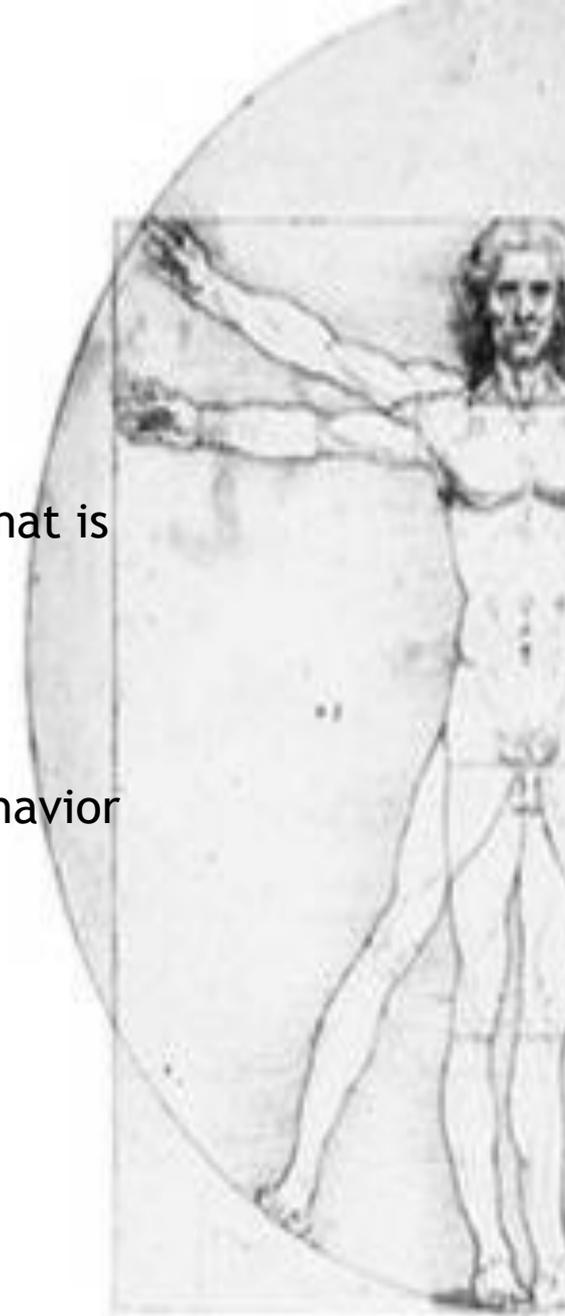


3. Cognition

Realizing that one is approaching a LX and what is expected

Recognizing dangers and limitations

Being able to predict occurrences and the behavior of other road users



4. Motivation

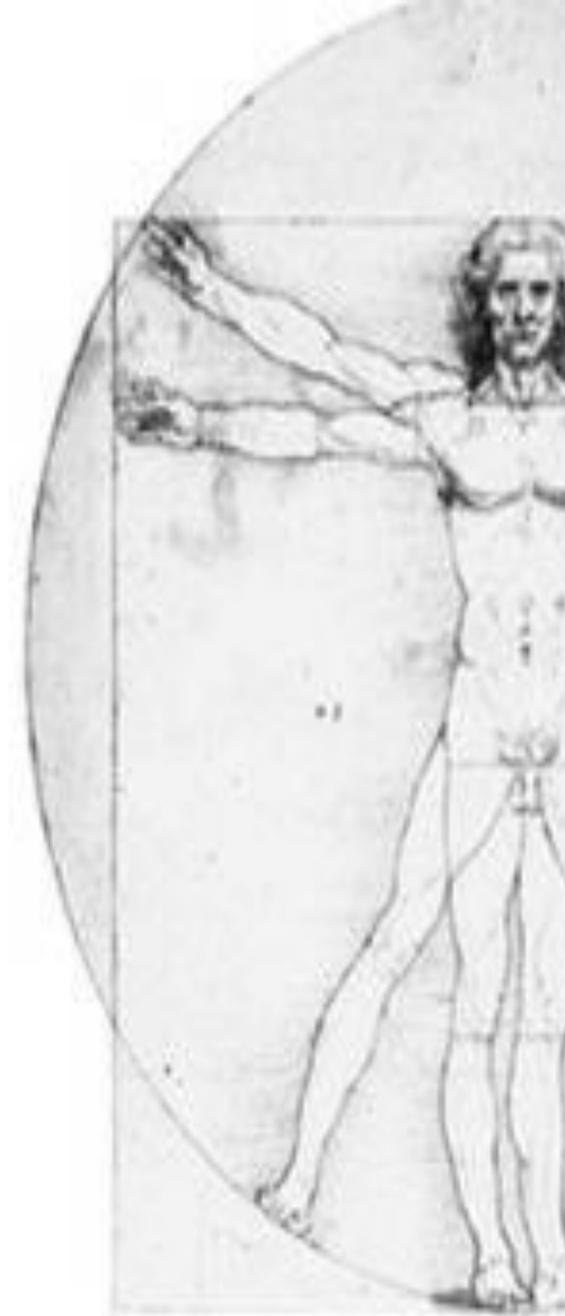
Understanding dangers entailed

Social pressure, current and/or local norms

Self esteem

Target risk

Exaggerated feeling of control



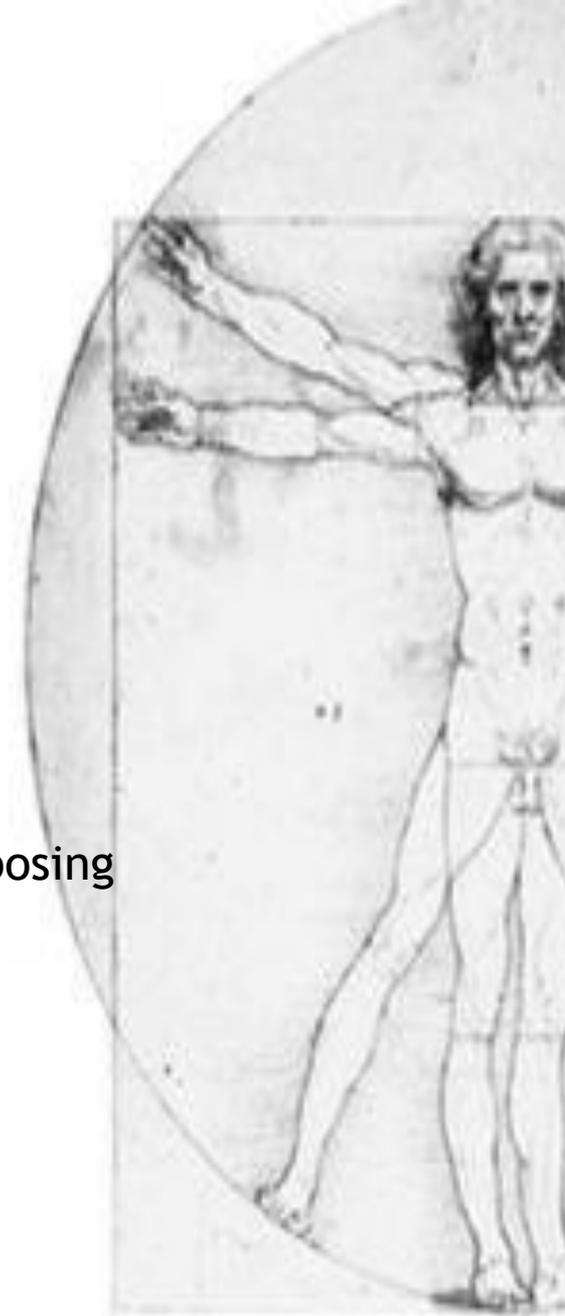
5. Performance

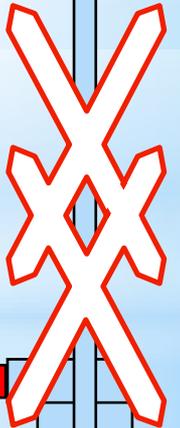
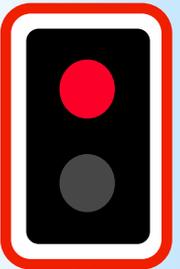
Ability to control the vehicle over the rails

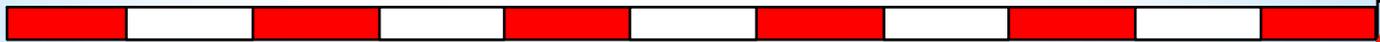
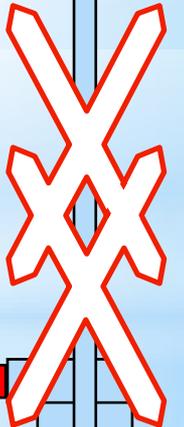
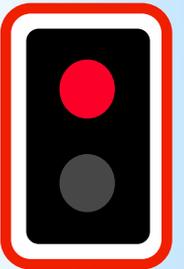
Choice of speed and distance from the curb

Being able to choose when to stop

Adaptation to road surface, visual clarity, opposing traffic etc.



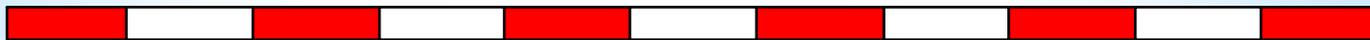
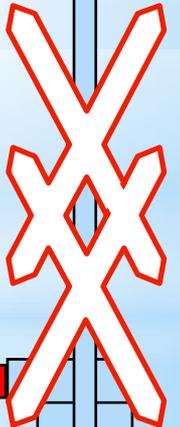
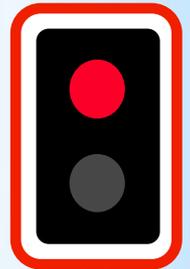




So here is the deal...



- ✓ Send Michael an email, sign up and receive a link
- ✓ Access ASAP the tool free
- ✓ Enter data
- ✓ Receive support 18/7
- ✓ Send what you have and receive a report within a week



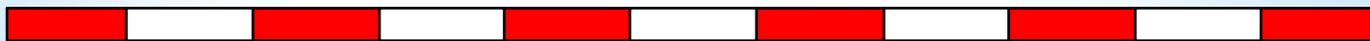
So here is the deal....



Yep, totally free for 2 LX accidents per country



Data will be used for research purposes



So here is the deal....





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Level Crossings using

ASAP

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