Workshop 8 – Trust, Safety, and Reliability

Before the workshop, each group was given a theme and asked to identify an interesting example of an event/product/device/system where some kind of **failure** occurred; and where interesting ethical questions were raised. Your examples should **not** have been covered in class/workshops. You should have all individually had a chance to think of an example.

Themes:
Groups 1,2,3 – Medical / Health
Groups 4,5 – Energy Control Systems (which can include nuclear)
Groups 6,7 – Transportation (non-autonomous)
Groups 8,9 – Communication
Group 10 – Autonomous Systems

Workshop Plan – Group work - Presentation

As a group, you have **40 minutes** to write and submit a **4-minute presentation**. Submit your file (PowerPoint) to Vladimir by email before **11:50 pm** and install a copy on the classroom computer (bring a USB stick).

Suggested timeline:

11:05
Spend approximately 5 minutes discussing your individual examples with each other – decide upon the most interesting that you will focus on for the rest of the workshop. **Select only one example.**

11:10
In your groups, for your chosen example perform a deliberative ethical discussion to investigate the ethical issues encountered in your example. In particular, you need to **consider the following**:

• What caused the failure(s)
• How could they have been avoided?
• How should things be done in the future?

Remember to relate your discussion to the concepts presented in lectures. You must also identify **3 articles** relevant to your chosen example:

• Provide a full, properly formatted citation for each of the 3 articles you have identified.
• Also provide a brief 1-2 sentence explanation for each article PEC Workshop – Trust, Safety, and Reliability
• Start making slides as you discuss the topic.

11:40
You will shortly be presenting your research. Use your discussion slides to make a 4-minute, 4-slide presentation, conforming to the following template:

Page 1:
• Topic theme name
• Example title
• Team member names (present and absent)

Pages 2-3
• Description of your example: **what**, **when**, **why**?
• Present the failures:
      o What went wrong?
      o How could it have been avoided?
      o How should things be improved in the future?

Page 4
• Reference list (using the four articles found before)
• Include a short explanation of each reference

This is an academic presentation, so include **references** where necessary and apply reasoned **critical thinking** to your arguments.

This step **must be finished some time before 11:50pm (**allow at least 1-2 minutes for email and copying the file to classroom computer).

Before 11:50
All slides must be a) **sent to Vladimir by email**, and b) copied to classroom computer, both before 11:50

Late submissions lose **5% for every 1 minute late**!

11:50-12:30
Each group will present their work (at the front using the projector). Each group has 4 minutes. Organise your presentation so that 2-3 team members speak. Indicate the names of speakers on the slides they will present. You will lose marks as a group if you do not do this.

Order of presentations: will be decided in the class.

Grades:
You will receive a grade based on the quality of your presentation and the quality of your submitted slides. You must follow strictly all the guidelines given above, and submit before workshop assignment on time, to achieve full marks.