

AI 4 Closed-Loop Control Systems – Hackathon 2020 in Osnabrück



Hand-In

Sunday 12.01.2020 19:30



Finial scoring
Sunday 19:30

Finial scoring Sunday 19:30

- Hand-In with the code hand-in on: Sunday 19:30
- Stored within your hand-in folder
 - “Scoring_ts_4_vel8.3.csv” with $v = 8.3 \frac{m}{s}$ and $dt = 0.005s$
 - “Scoring_ts_4_vel13.8.csv” with $v = 13.8 \frac{m}{s}$ and $dt = 0.005s$
 - “Scoring_ts_4_vel19.4.csv” with $v = 27.4 \frac{m}{s}$ and $dt = 0.005s$
 - “Scoring_ts_4_vel27.7.csv” with $v = 27.7 \frac{m}{s}$ and $dt = 0.005s$
- Run your implementation on data set ts4 _k_20.0.csv
- Storing the result in the folder “scoring” within your hand-in

Scoring_ts_4_vel???.csv

- must include $[t, Z_h, Z_t, Z_b, \ddot{Z}_t, \ddot{Z}_b, i]$
- The length might variate by ± 10 rows @ $dt = 0.005s$
 - $v_{8.3} = 481\,929$ rows
 - $v_{13.8} = 289\,856$ rows
 - $v_{19.4} = 206\,187$ rows
 - $v_{27.7} = 144\,405$ rows

Hand-In
Sunday 19:30

Hand-In your code (50% of the judging criteria)

- Create a folder with your team name at
/net/projects/scratch/winter/valid_until_31_July_2020/hackathon/handIn
- Create a text-file name “team_member.txt” within this folder
 - and list all team members incl. e-mail addresses
- Store your code within the folder
 - If you do have good non running code put this code within a folder “good-not-running”
 - Code for reproducing your results (incl. possible links to other data sets, tools etc.)
 - Remember to store the folder “scoring” within your team folder

Remember to prepare your presentation

- The hackathon weekend is only 50% of the judging criteria thus:
 - Prepare your final presentation for the 22.01.2019
- Presentation:
 - Time: 10 minute + 2-3 minute Q & A
 - Sell your work
 - creativity,
 - novelty,
 - results,
 - applicability
 - ...

Judging criteria

- technical evaluation of your solution 50%
- 10-minute presentation of your solution 40%
- creativity, novelty, applicability of your solution 10%

Result Presentations and Awarding Ceremony

22.01.2020 14:00 (ct) room SI 0036

Jury – changes still possible

- The jury will be six persons
 - ZF: Dr. M. Klank
 - ZF: Dr. T. Pobandt / Dr. Ch. Elbers
 - Uni Osnabrück: Prof. Dr. G. Pipa
 - Uni Osnabrück: P. Nieters
 - Hochschule Osnabrück: Prof. Dr. Th. Gervens
 - Hochschule Osnabrück: Prof. Dr. C. Westerkamp

Thank you and see you on the 22.01.2020 at 14:00 (ct)

22.01.2020 14:00 (ct)

In the SI Building next to the
Mensa Westerberg
Room SI 0036

