

Project Group: Machine Learning for Predictive Maintenance

Minutes for December 9, 2020. 09:00 - 11:00

Present: Tanja Tornede (*Supervisor*), Anurose Prakash, Christopher Zinda, Gourav Prakash, Paul Fährmann, Saghar Heidari, Sanjay Gupta, Selami Hoxha, Vinay Kaundinya

Minutes-taker: Saghar Heidari

Topics Discussed:

Presenting document structure

Details —

1. Each team should present document structure in latex format.

Information about (synthetic/real-world) data

Details —

1. Three groups (Health state classification, Health index estimation and Remaining useful lifetime) are responsible for searching data that specifically related to their topics.
2. According to type of data (images, temperature data,..), we inform the Feature extraction Team to search specifically in those direction data.

Additional Information —

1. Persons Involved: Tanja Tornede and team.

Information about Taxonomy and presentation of state-of-the-art approaches

Details —

1. Document should contain the most common or most promising approaches and it should be generalized.
2. At the end of this milestone, we will have different approaches in each topic and then choose the most promising or the most promising combination and then decide together how to implement.

Additional Information —

1. Persons Involved: Tanja Tornede and team.

Information about Formal problem definition

Details —

1. Two papers were discussed as an example of Formal problem definition and shown how the input and output look like.

Additional Information —

1. Persons Involved: Tanja Tornede and team.

To do list for next week

Details —

1. We need to write Time series formal definition.
2. We need to write clear structure (incl. section titles and bullet points) for each chapter (including Introduction).
3. We need to assign the sections and subsection (The group makes a suggestion on how to distribute the sections).
4. We need to have a Full group work plan for the milestone 2 (Goal: description on which chapters/sections will be written on, in which weeks and which other tasks will be done at which time).

Next Meeting:

1. Date and time: December 16, 2020 at 09:00 - 11:00
2. Person responsible for minutes: Sanjay Gupta