

Deep Learning – Seminar Organization & Topics

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- Each student will get a topic in Deep Learning
- Describe in a model-based design manner
 - the Deep Learning approach and
 - make an implementation of the algorithm
- Setup a Github repository
- Everyone will write a report of his/her project part that will be a chapter of the final report (my recommendation use LaTeX))

- Last week and this week introduction and distribution of seminar topics, rest of semester preparation of presentation and paper
- Use github
- Milestones paper
 - Oct. 26: raw sketch including bullet points, additional references
 - Nov. 9: first version including main figures
 - Dec. 7: first version including all input
 - Dec.21: polishing
 - Jan. 11: deadline
- Presentation
 - End of January or begin of February
 - 20 min talk + 10 min discussion

- Use latex and bibtex
- See ieee template at: https://www.ieee.org/content/dam/ieee-org/ieee/web/org/pubs/conference-latex-template_10-17-19.zip
- 5 – 7 pages
- Apply the methods and techniques from scientific writing
- Use citavi or Zotero for managing your references
- Write for each related reference a short note of how it is related to your seminar topic – the note is part of your bibtex management tool and/or an extra bibtex entry.

- The evaluation of each special emphasis module is given by
 - Two seminars – each 1/3 of overall evaluation -> at all 2/3
 - Lab 1/3 of overall evaluation
- In cases of the Deep Learning seminar
 - The paper and talk will both be considered with 50%
 - Implementation you need for paper and talk

► Seminar Topics Group A

No	Topic	Student
1	Driver monitoring using DL	Sheikh muh.adib bin sh abu bakar
2	Automatic game playing with DL	Miguel Rodriguez
3	Recommendation Systems with DL	Adijat Ajoke Sulaimon
4	Photo description with DL	Thanas Dushku
5	Application for Privacy and Security with DL	Chiagoziem Cyriacus
6	Medical System Application with DL	Wiktor Kochanek
7	Data Mining Application with DL	Shao-Wen Chang
8	Automatic hand writing with DL	Muh. Farid Izwan bin Moh. Shabri
9	Intelligent sensor fusion with DL algorithm	Shehroz Bashir Malik
10	DL in Smart Cities	Chen Shih
11	Plant Recognition with DL	Jasmeet Singh Matta
12	Plant health monitoring with sensors based on DL	George Enekwa
13	Plant health monitoring with photos based on DL	Tasawar Siddiquy
14	Autonomous driving with DL	Ajay Paul
15	Swarm driving with DL	Md Limon Apu
16	Evaluation of weather forecast with DL	A B M Abir Mahboob
17	Virtual assistance systems with DL	Arfat Kamal
18	Natural language processing with DL	Nikolaos Karapoulatidis
19	Comparison of existing DL HW Accelerators/Processors	Charles Okere

► Seminar Topics Group B

No	Topic	Student
1	Driver monitoring using DL	Jaouaher Belgacem
2	Automatic game playing with DL	Younsuk Choi
3	Recommendation Systems with DL	Ammar Haziq Bin Moh. Halim
4	Photo description with DL	Hadi Imran Bin Md Radzi
5	Application for Privacy and Security with DL	Patrick Nonki
6	Medical System Application with DL	Muhammad Subhan Khan
7	Data Mining Application with DL	Syed Muh. Abis Rizvi
8	Automatic hand writing with DL	Zafirul Izzat Bin Mohamad Zaidi
9	Intelligent sensor fusion with DL algorithm	Asm Nurussafa
10	DL in Smart Cities	Muhammad Iqbal Bin Mohd Fauzi
11	Plant Recognition with DL	Christian Stratmann
12	Plant health monitoring with sensors based on DL	Muhammad Rohail Usman
13	Plant health monitoring with photos based on DL	Abdul-Azeez Olanlokun
14	Autonomous driving with DL	Muh. Amirul Hakimi Bin Zaprunnizam
15	Swarm driving with DL	Amit Chakma
16	Evaluation of weather forecast with DL	Pritish Sanjay Samant
17	Virtual assistance systems with DL	Muhd Amjad Bin Abdul Malik
18	Natural language processing with DL	Asadujaman Nur
19	Comparison of existing DL HW Accelerators/Processors	Jires Voufo