Planning of student seminars

Tutorial 09 on Dedicated systems

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Graduate Course in Computer Science, 2016-17

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subject of the seminar

the seminar will introduce an application of concepts and methods presented in the course, precisely the

design of coprocessors for machine learning applications

an initial bibliography on neural networks and machine learning is provided

further references may be added by the student later

a seminar follow-up, also following the subsequent lab experience, might be the participation to european contests to which the seminar theme turns out to be relevant:

- EESTech Challenge: eestechchallenge.eestec.net
- Innovate Europe Design Contest 2017: www.innovateeurope.org/eu

references

1. S. Haykin, *Neural Networks and Learning Machines*, Third Ed., Pearson Prentice Hall (2009)
2. D. MacKay, *Information Theory, Inference, and Learning Algorithms*, Version 7.2, Cambridge University Press (2005)
3. D.P. Mandic, J.A. Chambers, *Recurrent Neural Networks for Prediction: Learning Algorithms, Architectures and Stability*, John Wiley & Sons (2001)