

Schedule Intelligent Architectures (tentative)

5LIL0 Q1 2019

Date	Day	Lecturer(s)	Topic(s)
sep 3	Tuesday	Henk Corporaal Berk Ulker	Overview, ML, CNNs Lab 1 Introduction
sep 6	Friday	Berk Ulker	Learning principles
sep 10	Tuesday	Berk Ulker	Learning principles, continued NW design and Frameworks
sep 13	Friday	Maurice Peemen	Optimizations 1: \- Compact aware NW design
sep 17	Tuesday	Alexios Balatsoukas	Advanced DNNs DNN applications
sep 20	Friday	Maurice Peemen Barry de Bruin	Optimizations 1, continued Optimizations 2: \- DNN Quantization
sep 24	Tuesday	Barry de Bruin	Optimizations 2, continued
sep 27	Friday	no lectures	
oct 1	Tuesday	Henk Corporaal Savvas Sioutias Kanishkan Vadivel	Optimizations 3: \- Advanced loop transformations Lab 2 Short Introduction Lab 3 Introduction
oct 4	Friday	Henk Corporaal Savvas Sioutias	Optimizations 3, continued: \- Halide language and DNN mapping Lab 2, More details
oct 8	Tuesday	Savvas Sioutas Henk Corporaal Kanishkan Vadivel	Optimizations 3, continued: \- Modeling of DNNs General Architectures for DNNs
oct 11	Friday	Kanishkan Vadivel Pekka Jaaskelainen	Specific Architectures for DNNs
oct 15	Tuesday	Kanishkan Vadivel Pekka Jaaskelainen Henk Corporaal	Specific Architectures for DNNs, continued Miscellaneous topics
oct 18	Friday	Sander Bohte	Beyond ANNs \- Neuromorphic computing and architectures
oct 22	Tuesday	Martin Villescas Patrick Wijnings	Beyond ANNs \- Bayesian learning, architectures, and its relation to DNNs
oct 25	Friday	Students	Presentations of recent DL articles