

Winter School on Machine Learning Applied to Quantitative Analysis of Medical Images Noordwijk, The Netherlands, March 7 – 9, 2018.

Programme:

In a three-day programme, renowned scientists in the field of machine learning applied to medical images give introductory and in-depth lecture on the following topics:

- Introduction machine learning – Evgeni Levin
- Introduction & advanced neural networks - Jan van Gemert & Taco Cohen
- Hardware requirements – Sultan Imangaliyev
- Quantitative imaging biomarkers, radiomics and imaging genetics for improved diagnosis and prognosis - Wiro Niessen
- Application to microscopic imaging - Jeroen van der Laak
- The need for data challenges – Bram van Ginneken
- Ethical challenges in machine learning – Michiel van Well
- Biologically inspired neural networks – Sander Bohte
- The Future of Medical Imaging – Bram van Ginneken
- Establishing a start-up company to valorize your research finding – Wiro Niessen
- Every day will concluded with a hands on computer practice by Matthan Caan.
- A social evening is scheduled to foster discussions and to encourage collaboration



iQ Winterschool Office:

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iQ Mission:

The Institute QuantiVision aims to develop medical imaging devices, software and protocols to enhance the efficiency, efficacy and economy of healthcare in the Netherlands, with focus on oncology, cardiovascular diseases and neurology.

Accommodation & Registration:

The Winter School is from March 7th (09.30 am) to March 9th (16.30 pm), 2018.

The location of the iQ Winter School is Hotel De Witte Raaf near Noordwijk, The Netherlands. Transport from and to Leiden Central station will be organised. The registration fee includes: Winter School, social programme, accommodation (on basis of a single room in a nearby cottage) & drinks and meals.

Further details and the registration form can be found on the [registraton website](#) and on the iQ website: www.quantivision.info/

