



Program FYSICA 2020
Friday, April 17
UTwente, De Waaier
www.fysica.nl

Big data & deep learning: new opportunities for physics & society

We are very honoured to host the following plenary speakers:

- **Peter Bauer** (European Centre for Medium-Range Weather Forecasts, Reading, UK)
- **Nobel Prize winner: Didier Queloz** (University of Cambridge and Geneva University)
- **Physica Prize winner: Martin van Hecke** (Leiden University and AMOLF)

Program

09.15 Registration desk open, coffee & tea, FYSICA-market

10.00 Welcome by Diederik Jekel, Chair NNV

10.05 Laudatio Physica Prize winner

10.10 Plenary Physica Lecture: Martin van Hecke – Designer Matter

10.40 Plenary Lecture: Peter Bauer – High-performance computing and big data handling: The biggest challenge for weather and climate prediction

11.10 Coffee/tea break, FYSICA-market

11.30 Award Ceremonies 'Natuurkundedocent van het Jaar 2019', 'NTvN award' & 'NNV hbo Jong Talentprijs'

11.45 Young Speakers Contest: 3 finalists

12.30 Lunch, FYSICA market

* 12.45 – 13.45 ALV NNV

* 12.45 – 13.45 Finals SPIN BSc-contest

14.00 Focus Sessions

- * Student session: Big data and deep learning
- * Education: Vakmanschap in Onderwijs
- * Big Data and wind energy
- * Deep learning for health
- * Machine learning and materials
- * Computations and optics

16.00 Tea break & FYSICA-market

16.30 Award Ceremonies 'Young Speakers Contest' & 'BSc-contest'

16.45 Plenary Nobel Lecture: Didier Queloz – The discovery of exoplanets

17.30 Dinner

19.00 Evening program: Panel discussion 'Climate forecasts: limits to predictability' –
In cooperation with Studium Generale.

20.30 Closing of FYSICA 2020

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