



# Dutch Seminar on Optimization



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<https://event.cwi.nl/dutch-optimization-seminar>

The Dutch Seminar on Optimization is a new initiative to bring together researchers from the Netherlands and beyond which has been launched in December 2020. The goal of this initiative is to establish a forum for the Dutch optimization community to come together, to help provide a spotlight for up and coming local talent, and to bring in high quality international speakers.

The topics of the seminar are centered around Optimization in a broad sense, but with a focus on (though not limited to) the theoretical foundations of discrete and continuous optimization. The seminar will be organized online and takes place once a month. The default policy is to have it on Thursday of the last week of the month.

The **next talk** of the seminar will be given on **Thursday, April 29, 2021, 16:00**, by **Juan Peypouquet** (RU Groningen); see the website for more details.

We would like to invite all researchers, especially also PhD students, who are working on related topics to join the events. If you want to be **added to the mailing list** of the seminar to receive future announcements, please **contact Sven Polak** ([sven.polak@cwi.nl](mailto:sven.polak@cwi.nl)).

Best regards,  
Guido Schäfer

(on behalf of the Organization Committee)

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**Speaker:** Juan Peypouquet (RU Groningen)

**Title:** Function Curvature and Algorithm Complexity in Convex Optimization

**Date:** April 29, 2021, 16:00–17:00

**Zoom link:**

<https://cwi-nl.zoom.us/j/84909645595?pwd=b1M4QnNKVzNMdmNSVFNhZUJmR1kvUT09>

(Meeting ID: 849 0964 5595, Passcode: 772448)

**Abstract:**

The geometry of the graph of the objective function has a direct impact on the complexity of optimization algorithms. In this talk, we will present some basic concepts related to function curvature and discuss their relationship with descent properties and convergence rates of first-order methods.