

PhD positions in combinatorial optimization and algorithms

at

Eindhoven University of Technology (TU/e).

The Combinatorial Optimization (CO) group of Eindhoven University of Technology has openings for PhD positions at the earliest possible starting date. Members of the CO group are engaged in research that falls in the domains discrete mathematics, theoretical computer science, and operations research. The CO group is an excellent environment with many strong researchers in both combinatorial optimization and theoretical computer science.

The positions are limited to four years, with a possible extension for one year. The PhD positions are in two areas: (i) one position is focused on Fine-grained (Parameterized) Complexity of Hard Problems and will be daily supervised by Jesper Nederlof (<http://www.win.tue.nl/~jnederlof>), (ii) another position is focused on (sport) scheduling problems, and aims to better understand fairness in (sport) schedules and will be supervised by Frits Spieksma (<http://www.win.tue.nl/~fspieksma/>).

For a more extensive description of these projects, we refer to:

<https://jobs.tue.nl/en/vacancy/2-phd-positions-in-combinatorial-optimization-334304.html>

Preferences of the candidates may influence the direction of the research subject. A minor part of the time may be spent on teaching duties.

Prior Experience

You have successfully completed a master's degree in mathematics, computer science, or a related discipline. You have a sound understanding of mathematical (in particular combinatorial) optimization and/or theoretical computer science. In addition, you are inquisitive, analytically talented, and preferably equipped with implementation skills. Creativity and team spirit are also very welcome.

Conditions of employment

We offer:

- A challenging job for 4 years in a dynamic and ambitious university and a stimulating research environment;
- Support with your professional and personal development;
- A gross salary per month of €2222,- (first year) as a PhD up to €2840,- (final year) in accordance with the Collective Labor Agreement of the Dutch Universities
- 8% holiday allowance
- 8.3% end of the year allowance.
- An extensive package of fringe benefits (e.g. support in moving expenses, excellent technical infrastructure, on-campus child care, and excellent sports facilities).

How to Apply:

Applications should be made through the portal of TU/e. Details can be found here:

<https://jobs.tue.nl/en/vacancy/2-phd-positions-in-combinatorial-optimization-334304.html>

The review of applicants will begin immediately and continue until the positions are filled.

More information can be obtained from dr. Jesper Nederlof, e-mail: j.nederlof@tue.nl, or prof.dr. Frits Spieksma, e-mail: f.c.r.spieksma@tue.nl