

# HiGHS Newsletter 24.1



Welcome to the second HiGHS newsletter

*As well as a report on the first HiGHS workshop (and dates for the next one!) this issue includes a progress report on the new interior point solver and other new developments.*

## HiGHS Workshop 24



The first HiGHS workshop took place on 26-28 June, and was attended by 46 people. Of these, there were 27 representatives from 19 companies that use or distribute HiGHS, including MathWorks, Microsoft, Octopus Energy and Tesco, and smaller companies, some of which are major players in the optimization modelling and software industries. Also attending were five academics from Åbo Akademi University, the Technical University Berlin, and the Universities of Antwerp, Edinburgh, and Glasgow, and 14 students from the Universities of Edinburgh, Oxford, Strathclyde, and Surrey, as well as HiGHS PhD student-in-waiting, Yanyu Zhou, from ENSTA (Paris).

Beginning on the afternoon of 26 June with a two-hour tutorial on HiGHS given by Julian

Hall, followed by an informal social gathering at the Pear Tree, the workshop proper took place on 27 and 28 June. After a presentation by Julian on the past, present and future of HiGHS, Jacek Gondzio gave a talk on the relationship between the simplex and interior point methods, and Filippo Zanetti reported on the progress he has made on developing the new interior point solver for HiGHS. Ryan O'Neil then gave an extended talk showcasing the role that HiGHS plays in NextMv's DecisionOps. Of the 17 talks that followed, 12 were by representatives of companies using HiGHS in the fields of computing, modelling, optimization, logistics, and management/investment for energy and water systems. Five talks covered the use of HiGHS in academic work in optimization, genetics, medicine, and energy systems.

Scotts Kitchen hosted the workshop dinner and, after the workshop finished, there was an informal wind-down back at the Pear Tree.

The second HiGHS workshop will be 26-27 June 2025, following EURO 2025 in Leeds.

## News

In January, Ivet Galabova's contract with the University as Integration and Development manager for HiGHS was made open-ended, securing her essential role into the future. In the MathWorks 2024a release, HiGHS became the simplex and MIP solver in the Optimization Toolbox. Funding from Kraken (Octopus Energy

