

NATCOR Convex Optimization course: Locations

ICMS

- **Chapterhouse:** Level 1
- **Seminar Room:** Level 1
- **Newhaven:** Lecture Theatre: Level 4

Hugh Robson Building

- **Basement Computing Lab**
Use the 65-seater area

Teviot (Row) House

- **Loft Bar:** Top floor
- **Dining Room:** Second floor

NATCOR Convex Optimization course: Monday June 13

Lectures

- **14:00–15:30** Foundations of convexity (Paresh Date) [Newhaven]
- **15:30–16:00** Coffee/tea [Chapterhouse]
- **16:00–17:00** General convex optimization I (Paresh Date) [Newhaven]

17:00 Guided walk to the Accommodation Reception

Social

19:00–23:00 Welcome reception in the **Loft Bar** in **Teviot House**

- Drink and nibbles
- Enjoy the view from the roof terrace

NATCOR Convex Optimization course: Tuesday June 14

Morning

- **09:00–11:00** General convex optimization II (Paresh Date) [Newhaven]
- **11:00–11:30** Coffee/tea [Chapterhouse]
- **11:30–12:30** Linear Programming I (Julian Hall) [Newhaven]

12:30–13:30 Lunch break

Afternoon

- **13:30–15:30** IPM for LP (Jacek Gondzio) [Newhaven]
- **15:30–16:00** Coffee/tea [Chapterhouse]
- **16:00–17:00** IPM for convex QP I (Jacek Gondzio) [Newhaven]

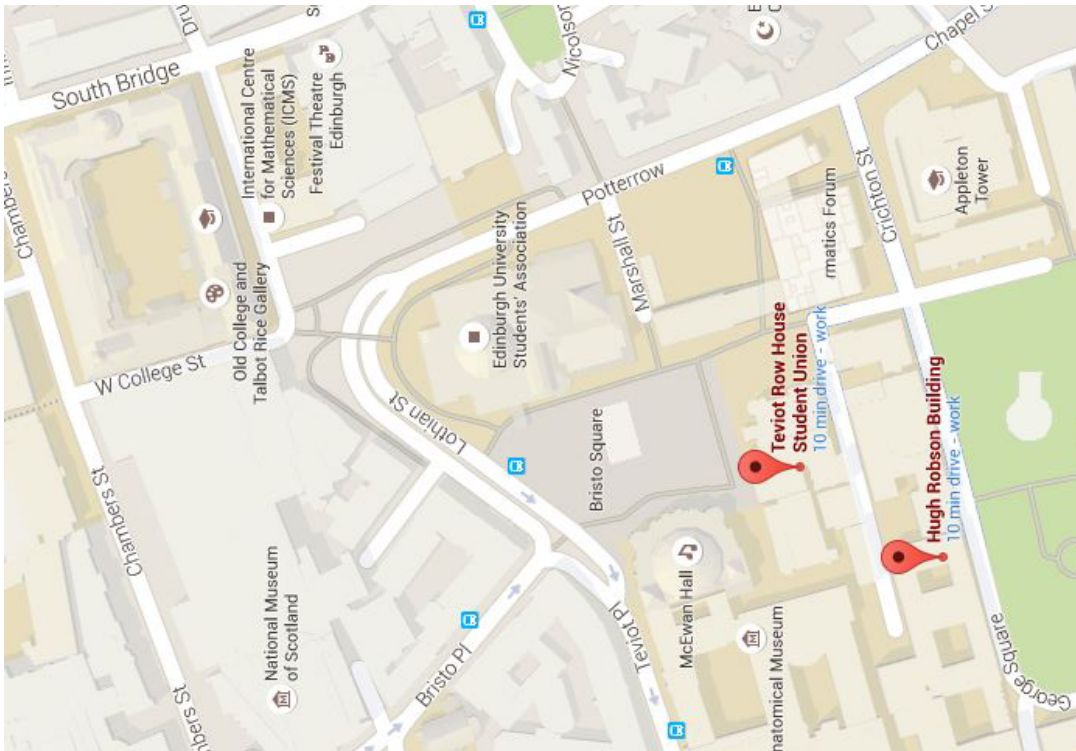
NATCOR Convex Optimization course: Wednesday June 15

Morning

Excursion/free time in Edinburgh

Afternoon

- **13:30–14:30** IPM for convex QP II (Jacek Gondzio) [Newhaven]
- **Theoretical stream: 14:30–17:00**
 - **14:30–15:30** Structure and matrix sparsity I (Julian Hall) [Newhaven]
 - **15:30–16:00** Coffee/tea [Chapterhouse]
 - **16:00–17:00** Structure and matrix sparsity II (Julian Hall) [Newhaven]



- **Modelling stream: 14:30–17:00**

- **14:30–15:30** Xpress Introduction (Sergio Garcia-Quiles) [Hugh Robson Building: Basement Computing Lab]
- **15:30–16:00** Coffee/tea [Chapterhouse]
- **16:00–17:00** Modelling: Xpress (Sergio Garcia-Quiles) [Basement Computing Lab]

Course dinner

- **19:00–00:00** in the **Dining Room** in **Teviot House**
- Seated buffet with drinks

NATCOR Convex Optimization course: Thursday June 16

Morning

- **09:00–10:30** Optimality conditions and complementarity, engineering and economic application, Nash Equilibria and Games, MOPEC (Michael Ferris) [Newhaven]
- **10:30–11:00** Coffee/tea [Chapterhouse]
- **11:00–13:00** Course splits into two streams
 - Theoretical: IPM for SDP and SOCP (Jacek Gondzio) [Newhaven]
 - Modelling: Xpress (Sergio Garcia-Quiles) [Basement Computing Lab]

13:00–14:00 Lunch break

Afternoon

- **14:00–15:00** Convex optimization in industry (Adam Ouorou) [Newhaven]
- **15:00–15:30** Coffee/tea [Chapterhouse]
- **15:30–17:00** Course splits into two streams
 - Optimization and Equilibrium in Energy Economics (Michael Ferris) [Newhaven]
 - Modelling: Xpress (Sergio Garcia-Quiles) [Basement Computing Lab]

NATCOR Convex Optimization course: Friday June 17

Morning

- Theoretical:
 - **09:30–11:00** Assessment (Multiple-choice paper) [Newhaven]
- Modelling:
 - **09:00–10:00** Xpress case study presentations (Sergio Garcia-Quiles) [Seminar Room]
 - **10:00–11:00** Assessment (Shorter multiple-choice paper) [Seminar Room]
- **11:00–11:30** Round-up, feedback and coffee/tea [Chapterhouse]

Computational Optimization in Action: Workshop

For those who have pre-registered: Four research presentations

- **11:00–11:30** Registration with coffee/tea
- **11:30–13:00** Presentations (Michal Kocvara and Miguel F. Anjos)
- **13:00–14:30** Lunch (provided)
- **14:30–16:00** Presentations (Michael C. Ferris and Daniel Ralph)
- **16:00–17:00** Final discussion