

NATCOR Convex Optimization course: Locations

Medical School, Teviot

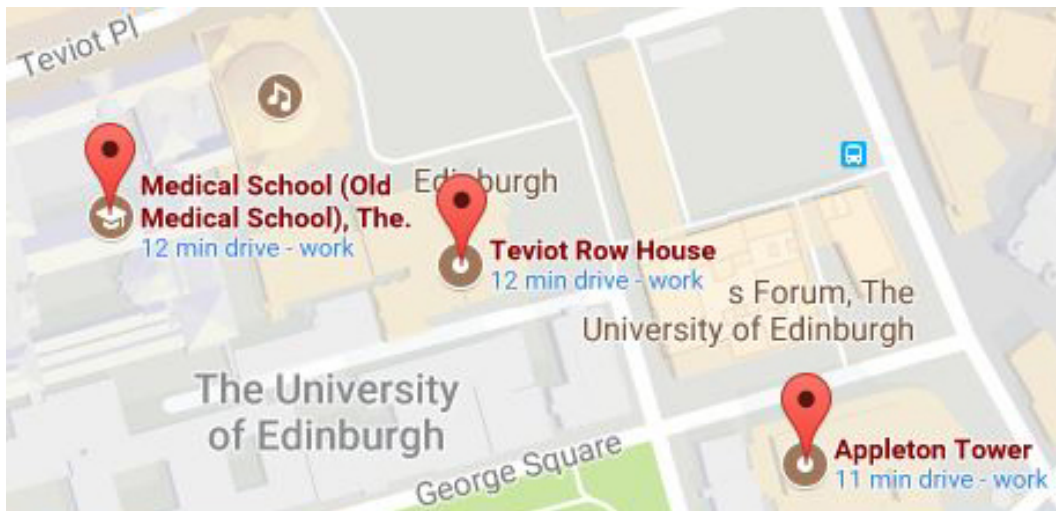
- **Room 12:** 01M.469 Teaching Room 12 - Doorway 3
- **Room 13:** 01M.473 Teaching Room 13 - Doorway 3
- **Room 16:** G.16 Seminar Room - Doorway 4

Teviot (Row) House

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

Appleton Tower

- **Room M2**
- **Room 2.06**



NATCOR Convex Optimization course: Monday 4 June

Lectures

- **14:00–15:30** Foundations of convexity (Sergio Garcia-Quiles) [Room 12]
- **15:30–16:00** Coffee/tea break
- **16:00–17:00** General convex optimization I (Sergio Garcia-Quiles) [Room 12]

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 5 June

Morning

- **09:00–11:00** General convex optimization II (Sergio Garcia-Quiles) [Room 16]
- **11:00–11:30** Coffee/tea break
- **11:30–12:30** Linear Programming I (Julian Hall) [Room 16]

12:30–13:30 Coffee/tea break

Afternoon

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

NATCOR Convex Optimization course: Wednesday 6 June

Morning

Excursion/free time in Edinburgh

Afternoon

- **13:30–14:30** IPM for convex QP II (Jacek Gondzio) [Room 12]
- **Theoretical stream: 14:30–17:00**
 - **14:30–15:30** Structure and matrix sparsity I (Julian Hall) [Room 12]
 - **15:30–16:00** Coffee/tea break
 - **16:00–17:00** Structure and matrix sparsity II (Julian Hall) [Room 12]
- **Modelling stream: 14:30–17:00**
 - **14:30–15:30** Xpress Introduction (Sergio Garcia-Quiles) [Appleton Tower: M2]
 - **15:30–16:00** Coffee/tea break
 - **16:00–17:00** Modelling: Xpress (Sergio Garcia-Quiles) [Appleton Tower: M2]

Course dinner

- **19:00–23:00** in the **Dining Room in Teviot House**
- Seated buffet with drinks

NATCOR Convex Optimization course: Thursday 7 June

Morning

- **09:30–11:00** Recent advances on the Standard Quadratic Problem - with applications to social network analysis (Immanuel Bomze) [Room 12]
- **11:00–11:30** Coffee/tea break
- **11:30–12:30** Course splits into two streams
 - Theoretical: IPM for SOCP (Jacek Gondzio) [Room 12]
 - Modelling: Xpress (Sergio Garcia-Quiles) [Appleton Tower: M2]

12:30–13:30 Coffee/tea break

Afternoon

- **13:30–15:30** Course splits into two streams
 - Theoretical: IPM for SDP (Jacek Gondzio) [Room 12]
 - Modelling: Xpress (Sergio Garcia-Quiles) [Appleton Tower: M2]
- **15:30–16:00** Coffee/tea break
- **16:00–17:00** Convex relaxations of nonconvex optimization problems (Emre Alper Yildirim)

NATCOR Convex Optimization course: Friday 8 June

Morning

- Theoretical:
 - **09:30–11:00** Assessment (Multiple-choice paper) [Room 13]
- Modelling:
 - **09:00–10:00** Xpress case study presentations (Sergio Garcia-Quiles) [Appleton Tower: 2.06]
 - **10:00–11:00** Assessment (Shorter multiple-choice paper) [Appleton Tower: 2.06]
- **11:00–11:30** Round-up and feedback [Room 13]

Computational Optimization in Action: Workshop

For those who have pre-registered: Four research presentations

- **11:00–11:30** Registration
- **11:30–13:00** Presentations (Immanuel Bomze and Emre Alper Yildirim)
- **13:00–14:30** Lunch (provided)
- **14:30–16:00** Presentations (Francisco N. C. Sobral and Julian Hall)
- **16:00–17:00** Final discussion