



## CeXS/SwedNess

### Advanced Powder Diffraction Data Analysis Course 2026

The workshop is held at the Ångström Laboratory, Uppsala, Sweden. The workshop takes place between November 11-13<sup>th</sup>, with an intro day on November 10<sup>th</sup>. The workshop has a maximum of 60 registered participants of which 45 students can participate in the full program.

The first day (11<sup>th</sup>) will be a general open session with talks presenting CeXS and the opportunities at various facilities. Following the facility talks, different software packages will be presented, including the software for the hands-on training. The 2<sup>nd</sup> and 3<sup>rd</sup> days (12<sup>th</sup> and 13<sup>th</sup>) will be focused on hands-on training with the different software packages. There will be only one shorter and one main/longer session for the hands-on training session each day allowing each participant to focus on one software per day.

See the fuller programme below.

The software packages presented are: **TOPAS**, **PDFgui**, **GSAS-II**, **Fullprof**/tools for magnetic diffraction and **EasyDiffraction**.

#### Confirmed teachers:

- Premysl Beran, ESS (Fullprof) + Johan Cedervall
- Ken Inge, Stockholm University (TOPAS) + Xabier Martinez
- Rebecca Clulow + Paulo Brant Carvalho, Uppsala University (GSAS II)
- Andrew Sazonov, ESS (EasyDiffraction)
- tbc (PDFgui)

Facility presentations: ESS, MAX IV, P21 Swedish Materials Science beamline

Software presentations: Fullprof, Topas, GSAS-II, EasyDiffraction, PDFgui, Isodistort.

Inspirational talks: Paulo Brant Carvalho and Xabier Martinez de Irujo Labalde.

To find your way around the campus you can use [Mazemap](#)!



## November 10:

“Intro day” for those who registered – Rebecca Clulow + Johan Cedervall. **09:00-16:00**

## November 11:

### Room: [tbc](#)

- 12:00-13:00 Arrival and sandwich lunch
- 13:00-14:30 Talks
- 13:00–13:20 Intro and overview – Rebecca Clulow
  - 13:20–13:40 CeXS, P21 Swedish Materials Science beamline – Denise McCluskey
  - 13:40–14:00 ESS – Denis Vasiukov
  - 14:00–14:20 MAX IV - Frederik H. Gjørup
- 14:30-15:00 Coffee break
- 15:00-18:00 Presentation of software: Approx. 30 min (or less) each
- 15:00-15:30 Fullprof - Premysl Beran (ESS)
  - 16:00-16:30 GSAS-II – Rebecca Clulow (Uppsala University)
  - 16:30-17:00 Topas - Ken Inge (Stockholm University)
- 17:00 – 17:15 Break
- 17:15-17:45 Easy Diffraction - Andrew Sazonov (ESS)
  - 17:45-18:15 PDFGui - tbc
  - 18:15-18:45 Isodistort – Hanna Boström (Stockholm University)
- 19:00-21:00 Dinner in room [14165](#)

## November 12:

- 09:00-10:00 Morning session
- Inspirational showcases of advanced analysis 1 – Paulo Brant Carvalho (Uppsala University)*
- 10:00-10:30 Coffee break
- 10:30-13:00 Hands-on-software training 1
- 13:00-14:00 Lunch
- 14:00-18:00 Hands-on-software training 2
- 18:00-21:00 Dinner in room [14165](#)

## November 13:

- 09:00-10:00 Morning session
- Inspirational showcases of advanced analysis 2 – Xabier Martinez de Irujo Labalde (Uppsala University)*
- 10:00-10:30 Coffee break
- 10:30-13:00 Hands-on-software training 3
- 13:00-14:00 Lunch
- 14:00-18:00 Hands-on-software training 4 (some may have to leave earlier)