**Program**

**17–19 Nov 2025**

# MXCuBE-ISPyB Joint Meeting, DLS, UK (17 - 19 November 2025)

Diamond House, Room G59
Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

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# Monday 17 November

09:30 – 10:30

## Diamond beamline tour for early arrivals

**Session** | **Location:** Diamond House, Atrium

11:00 – 12:00

## Arrival and Registration (with refreshments)

**Session** | **Location:** Diamond House, Atrium

12:00 – 13:30

## Lunch

**Session** | **Location:** Diamond House, Atrium

13:30

## ISPyB: Status Reports

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

13:30–13:40 **Welcome**

13:40–13:50 **ALBA (Barcelona, Spain)**

**Speaker**
Marc Armenter Hierro

13:50–14:00 **MAX IV (Lund, Sweden)**

**Speaker**
Alberto Nardella

14:00–14:10 **DESY (Hamburg, Germany)**

**Speaker**
Johanna Hakanpaeae

14:10–14:20 **Oulu University (Finland)**

**Speaker**
Ed Daniel

14:30–14:40 **SOLEIL (Paris, France)**

**Speaker**
Mohsen Dahesh

14:40–14:50 **ELETTRA (Trieste, Italy)**

**Speaker**
Alessandro Olivo

14:50–15:00 **DLS (Oxford, UK)**

**Speaker**
James Hall

15:00–15:10 **Global Phasing (Cambridge, UK)**

**Speaker**
Rasmus Fogh

15:10–15:20 **ESRF (Grenoble, France)**

**Speaker**
Alex de Maria

15:20

15:20 **Coffee break**
**Break** | **Location:** Diamond House, Atrium

15:45

15:45 **ISPyB: Scientific Presentations**
**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

15:45–16:15 **Crystal Size Matters: Triaging Approaches for Micro- and Nano-crystals at Diamond**

**Speaker**
Anna Warren

16:15–16:45 **Electron diffraction: why it is difficult and why it is (hopefully) worth it**

**Speaker**
David Owen

16:45

16:45 **Open Discussion: Introduction to committees discussion - Joint Session**
**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

17:00

17:00 **Parallel Sessions ISPyB: Developers**
**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

17:30

17:00 **Parallel Sessions ISPyB: Steering Comittee**
**Session** | **Location:** Diamond House, 2.53

17:30

17:30 **Reports of StC+Dev Parallel Discussions: ISPyB**
**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

18:00

18:30 **Dinner**
**Break** | **Location:** Diamond House, Atrium

20:30

# Tuesday 18 November

08:30

## Scientific Session - Addressing the Fragmentation of Communication between Synchrotrons, Developers and Industrial MX Users: Part-1 (Interoperability in Synchrotron Logistics)

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

08:30–08:50 **Rationale and Purpose of Day 2**

**Speaker**
Gerard Bricogne

08:50–09:00 **A tale of six synchrotrons**

**Speaker**
May Sharpe

09:00–09:15 **A close-up view of synchrotron diversity from a user's viewpoint**

**Speaker**
Dennis Stegmann

09:15–09:40
**Synchrotron logistics with MXLIMS, starting with standardised experiment submission and result retrieval**

**Speaker**
Rasmus Fogh

09:40–10:00 **OAuth2 and authentication standardisation across facilities**

**Speaker**
Guilherme Francisco de Freitas

10:00

10:00

## Coffee break

**Break** | **Location:** Diamond House, Atrium

10:30

10:30

## Scientific Session - Addressing the Fragmentation of Communication between Synchrotrons, Developers and Industrial MX Users: Part-2 (Interoperability in Synchrotron Logistics)

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

10:30–10:50 **Overcoming the Challenges of Scaling MX in the Cloud**

**Speaker**
Oleg Mikhailovskii

10:50–11:05 **Complexity of multi-synchrotron operations for a Pharma company**

**Speaker**
Patrik Johansson

11:05–11:20 **Complexity of multi-synchrotron operations for a small CRO**

**Speaker**
Christian Becke

11:20–11:40 **Standardising (auto-)processing and access to its results while avoiding Procrustean beds**

**Speaker**
Clemens Vonrhein

11:40

11:40

## Open Discussion: Prospects for achieving interoperability between synchrotrons

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

11:40–12:00 **Prospects for achieving interoperability between synchrotrons**

12:00

12:00

## Lunch

**Break** | **Location:** Diamond House, Atrium

13:30

13:30

## Scientific Session - Addressing the Fragmentation of Communication between Synchrotrons, Developers and Industrial MX Users: Part-3 (Data Quality Assurance Measures)

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

13:30–13:55
**The XDS crisis: a spontaneously-arising stress test of our coordinated response capabilities**

**Speaker**
Gerard Bricogne

13:55–14:20 **Lessons learned from the assessment of successive problematic XDS versions**

**Speaker**
Clemens Vonrhein

14:20–14:40 **Reproducibility checks in the Dectris Cloud**

**Speaker**
Camilla Buhl Larsen

14:40–15:00 **The Industrial Access Beamline Validation Proposal**

**Speaker**
Gerard Bricogne

15:00

15:00

## Open Discussion

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

15:00–15:30 **Discussion on QA, including ...**

15:30

15:30

## Coffee break & Group Picture

**Break** | **Location:** Diamond House, Atrium

16:00

16:00

## Scientific Session - Addressing the Fragmentation of Communication between Synchrotrons, Developers and Industrial MX Users: Part-4 (Direct Metadata Capture at Synchrotrons for AI/ML-related depositions)

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

16:00–16:25 **The DRI Project and forthcoming activities to support metadata-rich depositions**

**Speaker**
Genevieve Evans

16:25–16:40 **Homebrewed Crystallographic Data Management in an Academic Setting**

**Speaker**
Marko Hyvönen

16:40–17:00 **Metadata quality assurance in (group) depositions**

**Speaker**
Clemens Vonrhein

17:00

17:00

## Open Discussion: The Art of the Possible - Pledges and Priorities.

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

18:00

18:00

## Conference Dinner

**Session** | **Location:** Diamond House, Atrium

18:00–19:00 **Drinks**

19:00–21:30 **Dinner**

21:30

# Wednesday 19 November

08:30

## MXCuBE: Status Reports - Part 1

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

08:30–08:45 **Beamline remote access at the Australian Synchrotron**

**Speaker**
Andreas Moll

08:45–09:00 **Expression of interest in the MXCuBE Collaboration**

**Speaker**
Mi-Jeong Kwak

09:08–09:16 **NFPSS (Shanghai, China)**

**Speaker**
Kangwen Bao

09:16–09:24 **ALBA (Barcelona, Spain)**

**Speaker**
José Centeno Gabadinho

09:24–09:32 **HZB-BESSY (Berlin, Germany)**

**Speaker**
Michael Hellmig

09:32–09:40 **DESY (Hamburg, Germany)**

**Speaker**
Andrey Gruzinov

09:40–09:48 **ELETTRA (Trieste, Italy)**

**Speaker**
Alessandro Olivo

09:48–09:56 **EMBL (Hamburg, Germany)**

**Speaker**
Gleb Bourenkov

09:56–10:04 **MAX IV (Lund, Sweden)**

**Speaker**
Ezequiel Panepucci

10:04

10:04

## Coffee Break

**Break** | **Location:** Diamond House, Atrium

10:28

10:28

## MXCuBE: Status Reports - Part 2

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

10:28–10:36 **MANACA @ LNLS (Campinas, Brazil)**

**Speaker**
Pedro Benetton

10:36–10:44 **ESS (Lund, Sweden)**

**Speaker**
Lais Pessine Do Carmo

10:44–10:52 **LS-CAT @ APS (Chicago, United States)**

**Speaker**
Joe Brunzelle

10:52–11:00 **SOLARIS @ NSRC (Krakow, Poland)**

**Speaker**
Michal Gucwa

11:00–11:08 **SOLEIL (Paris, France)**

**Speaker**
Martin Savko

11:08–11:16 **ESRF (Grenoble, France)**

**Speaker**
Marcus Oskarsson

11:16–11:24 **Global Phasing, UK**

**Speaker**
Rasmus Fogh

11:24

11:24

## MXCuBE: Scientific Presentations

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

11:24–11:39 **Report from the Automation Working Group**

**Speaker**
Didier Nurizzo

11:39

11:39

## Open Discussion: MXCuBE Developments

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

12:30

12:30

## Lunch

**Break** | **Location:** Diamond House, Atrium

13:45

13:45

## Parallel Sessions MXCuBE: Developers

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

14:30

13:45

## Parallel Sessions MXCuBE: Steering Committee

**Session** | **Location:** I14, MR1-10

14:30

14:30

## Reports of StC+Dev Parallel Discussions: MXCuBE

**Session** | **Location:** Diamond House, Room G59, Harwell Science and Innovation Campus, Fermi Ave Didcot OX11 0DE UK

15:00

15:00
16:00

## Coffee break & Early Leave

**Break** | **Location:** Diamond House, Atrium