

**UK XFEL Townhall:
Electronics, photonics and
quantum technologies**

Report of Contributions

Contribution ID: 1

Type: **not specified**

UK XFEL Project Overview & Open Discussion

Thursday, August 8, 2024 10:30 AM (2 hours)

Presenters: Dr DUNNING, David (STFC); Prof. MARANGOS, Jon (UCL); ADEN, Paul (STFC)

Contribution ID: 2

Type: **not specified**

Tracking ultrafast heterogeneity and disorder in quantum materials

Thursday, August 8, 2024 1:10 PM (30 minutes)

Presenter: Dr WALL, Simon (Aarhus Universitet)

Contribution ID: 3

Type: **not specified**

Attosecond Quantum Dynamics in Material and Molecules

Friday, August 9, 2024 11:00 AM (30 minutes)

Presenter: Prof. BIEGERT, Jens (ICFO)

Contribution ID: 4

Type: **not specified**

Implementation of momentum microscopy for the study of quantum materials

Friday, August 9, 2024 11:30 AM (30 minutes)

Presenter: Dr FEDCHENCKO, Olena (Johannes Gutenberg-Universität Mainz)

Contribution ID: 5

Type: **not specified**

THz Science at LCLS

Thursday, August 8, 2024 3:45 PM (30 minutes)

Presenter: Dr HOFFMAN, Matthias (SLAC - Stanford)

Contribution ID: 6

Type: **not specified**

TBC

Presenter: Dr NELSON, Keith

Contribution ID: 7

Type: **not specified**

Coherent dynamics on multiple length scales via x-ray diffraction and spectroscopy

Thursday, August 8, 2024 2:25 PM (30 minutes)

Presenter: Prof. JOHNSON, Steven (ETH Zurich)

Contribution ID: 8

Type: **not specified**

THz FEL studies of silicon impurities, and the use of X-rays for impurity diagnostics

Thursday, August 8, 2024 3:15 PM (30 minutes)

Presenter: Prof. MURDIN, Benedict (University of Surrey)

Contribution ID: 9

Type: **not specified**

Overview of possible THz options at UK XFEL

Thursday, August 8, 2024 4:15 PM (20 minutes)

Presenter: Dr WALSH, David (STFC)

Contribution ID: 10

Type: **not specified**

Time- and angle-resolved photoemission of inter-layer charge transfer and charge density wave dynamics in monolayer TiSe₂

Friday, August 9, 2024 10:00 AM (30 minutes)

Presenter: Prof. KING, Phil (St Andrews University)

Contribution ID: 11

Type: **not specified**

Time-Resolved Photoelectron Diffraction: Mapping Atomic Motion in Phonon Oscillations

Friday, August 9, 2024 10:30 AM (30 minutes)

Presenter: Dr SANDERS, Charlotte (STFC)

Contribution ID: 12

Type: **not specified**

TBC

Presenter: Dr ATTATURE, Mette (University of Cambridge)

Contribution ID: 13

Type: **not specified**

Ultrafast Action Spectroscopy of Processible Electronic Materials and Devices

Friday, August 9, 2024 12:45 PM (30 minutes)

Presenter: Dr BAKULIN, Artem (Imperial College London)

Contribution ID: 14

Type: **not specified**

Scaling Silicon-Based Qubit Technologies

Thursday, August 8, 2024 1:40 PM (30 minutes)

Presenter: Prof. CURRY, Richard (University of Manchester)

Contribution ID: 15

Type: **not specified**

Closing Discussions

Friday, August 9, 2024 1:15 PM (30 minutes)

Contribution ID: **16**

Type: **not specified**

Discussion

Thursday, August 8, 2024 5:00 PM (30 minutes)

Contribution ID: 17

Type: **not specified**

THz Workshop Opening Discussion

Thursday, August 8, 2024 2:10 PM (15 minutes)

Presenter: Dr BURNETT, Andrew (University of Leeds)

Contribution ID: **18**

Type: **not specified**

Laser-driven THz Source Development at Cockcroft: Tunable multi-cycle pulse generation

Thursday, August 8, 2024 4:35 PM (25 minutes)

Presenter: Dr GRAHAM, Darren (University of Manchester)