

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

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## **UK XFEL Project Overview & Open Discussion**

*Thursday, 8 August 2024 10:30 (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, 8 August 2024 13:10 (30 minutes)*

**Presenter:** Dr WALL, Simon (Aarhus Universitet)

Contribution ID: 3

Type: **not specified**

# Attosecond Quantum Dynamics in Material and Molecules

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

**Presenter:** Prof. BIEGERT, Jens (ICFO)

Contribution ID: 4

Type: **not specified**

# **Implementation of momentum microscopy for the study of quantum materials**

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

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

Contribution ID: 5

Type: **not specified**

## THz Science at LCLS

*Thursday, 8 August 2024 15:45 (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, 8 August 2024 14:25 (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, 8 August 2024 15:15 (30 minutes)*

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

Contribution ID: 9

Type: **not specified**

## **Overview of possible THz options at UK XFEL**

*Thursday, 8 August 2024 16:15 (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 TiSe<sub>2</sub>**

*Friday, 9 August 2024 10:00 (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, 9 August 2024 10:30 (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, 9 August 2024 12:45 (30 minutes)*

**Presenter:** Dr BAKULIN, Artem (Imperial College London)

Contribution ID: 14

Type: **not specified**

## **Scaling Silicon-Based Qubit Technologies**

*Thursday, 8 August 2024 13:40 (30 minutes)*

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

Contribution ID: 15

Type: **not specified**

## Closing Discussions

*Friday, 9 August 2024 13:15 (30 minutes)*



Contribution ID: **16**

Type: **not specified**

## Discussion

*Thursday, 8 August 2024 17:00 (30 minutes)*

Contribution ID: 17

Type: **not specified**

## THz Workshop Opening Discussion

*Thursday, 8 August 2024 14:10 (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, 8 August 2024 16:35 (25 minutes)*

**Presenter:** Dr GRAHAM, Darren (University of Manchester)