

This workshop consists of **four sections** that cover various aspects of the Quantinuum H-Series platform •



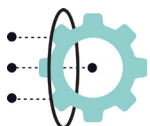
### 1. Introduction to Quantinuum

An overview of Quantinuum's full-stack approach and partner engagement will be provided.



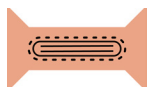
### 2. InQuanto Overview and Tutorial

This section details the InQuanto computational chemistry package/workflow. Participants will learn about the workflow and environment through an interactive tutorial.



### 3. TKET User Features:

This section highlights the powerful features of TKET, Quantinuum's advanced software development kit (SDK). Among other topics, participants will learn about PyTKET, circuit submission to H-series devices, compilation options, emulator usage with noise models, mid-circuit measurement, and circuit conversion to and from other SDKs.



### 4. Quantum Error Correction/Detection/Mitigation on H-Series

The session covers an introduction to QEC experiments investigated at Quantinuum and a deep dive of the error detection techniques developed via the Iceberg code.

<b>QUANTINUUM WORKSHOP: Arrivals</b>	<b>8:45</b>	<b>9:00</b>	Introductions
Introduction to Quantinuum	9:00	9:30	Mark Jackson
<i>Break</i>	9:30	9:45	
<b>InQuanto Overview and Tutorial</b>	9:45	10:45	Harry Keen
<i>Lunch Break</i>	10:45	12:30	
<b>TKET User Features</b>	12:30	1:45	Kathrin Spendier
<i>Break</i>	1:45	2:00	
<b>Quantum Error Correction/Detection/Mitigation on H-Series</b>	2:00	3:00	David Amaro
Adjourn		<b>3:00</b>	