



Industry & Career Day Report (2/2)

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Content Table

1. Event Summary	3
2. Event Agenda & attendance list.....	4

1. Event Summary

The Industry Day @IQE was hosted by IQE plc on March 18th 2024. This second of the Industry and Career days of the QUANTIMONY project was organized as fully online event. This format was chosen for the convenience of speakers and attendees, allowing wider participation and circumventing access restrictions at IQE's facilities. The event brought together the ESRS and other PhD students, industry representatives from various sectors, including spin-offs, SMEs, and larger companies, as well as external experts, to discuss cutting-edge semiconductor technologies and career opportunities.

A range of topics pertinent to the semiconductor industry were covered, including III-V epitaxial wafer market opportunities, advancements in antimonide epitaxy and in-situ and ex-situ epitaxy characterization. Participants gained valuable insights into the challenges of industrial-scale semiconductor research and technology, from epitaxial design to analysis techniques like SIMS. Additionally, the event included a session on career planning, focusing on CV and interview preparation for high-level positions in the tech industry organized and delivered by IQE HR department.

The speakers of the event were:

- Dr. Iwan Davies, IQE plc, UK
- Dr. Qiang Li, Cardiff University, UK
- Prof. Richard Beanland, Integrity Scientific Ltd, UK
- Dr. Marcello Binetti, LayTec GmbH, DE
- Dr. Peter Hodgson, Quinas Ltd, UK
- Dr. Alison Chew, Loughborough Surface Analysis Ltd. (LSA), UK
- Jade Robinson, IQE plc, UK
- Sophie Baber, IQE plc, UK

The event had 34 total attendants, of which 14 were the project's ESRS, 3 were members of invited speaker organisations, and 17 were other team members from the consortium (both partner organisations and beneficiaries).

2. Event Agenda & attendance list

Quantimomy Industry Day @IQE (online)

Mon, March 18th, 2024

08:50- 15:00 GMT/ 09:50-16:00 CET

Event Agenda		
08:50-09:00	Welcome & Introduction Dr. Iwan Davies	IQE
09:00-09:45	Market opportunities for Epitaxial Wafers Dr. Iwan Davies	IQE
09:45-10:15	MOVPE by CCS Reactor for antimonide epitaxy Dr. Qiang Li	Cardiff Univ
10:15-10:45	Electron Microscopy for III-V Epitaxy Prof. Richard Beanland	Integrity Scientific
10:45-11:00	Break	
11:00-11:30	In-situ monitoring in quantum epitaxy Dr. Marcello Binetti	LayTec
11:30-12:00	ULTRARAM – antimonide materials for memory devices Dr. Peter Hodgson	Quinas
12:00-12:30	SIMS and other analysis for quantum devices Dr. Alison Chew	Loughborough Surface Analysis
12:30-14:00	Lunch Break	
14:00-15:30	Industrial career planning CV preparation Interview preparation Jade Robinson	IQE HR
15:30-16:00	Closing and final discussion	

Attendance list - Industry Day @IQE

First Name	Last Name	Company	Type of organisation
Aurelia	Trevisan	Eindhoven University of Technology	ESR
Manoj	Kesaria	Cardiff University	Consortium Member
Hajrudin	Husejini	AIXTRON	ESR
Xiuxin	Xia	Lancaster University	ESR
Peter	Hodgson	Quinas Technology Limited	Consortium Member
Robert	Weih	nanoplus Advanced Photonics	Consortium Member
Anh Luan	Phan	UNITOV	ESR
Borislav	Petrovic	Julius-Maximilians-U. Würzburg	ESR
Lucie	Leguay	TU Berlin	ESR
Malte	Schwarz	ISOM-UPM Madrid	ESR
Francisco	Alvarado Cesar	University of Warwick	ESR
Takuma	Sato	nextnano GmbH	ESR
Bernd	Schineller	AIXTRON SE	Consortium Member
Stefan	Birner	nextnano GmbH	Consortium Member
Giulio	Barbieri	IMN-CNM CSIC	ESR
Wilson	Lee	nextnano GmbH	Consortium Member
Enrico	Squicciarro	ISOM-UPM	Consortium Member
Qiang	Li	Cardiff University	Consortium Member
Jose	Ulloa	ISOM-UPM	Consortium Member
Maria Cecilia	da Silva Figueira	nextnano GmbH	Consortium Member
Jose Manuel	Llorens	IMN- CSIC	Consortium Member
Niklas	Pichel	Nextnano GmbH	Consortium Member
Matthias	Auf der Maur	University of Rome Tor Vergata	Consortium Member
Marcello	Binetti	LayTec AG	Speaker
Richard	Beanland	Integrity Scientific	Speaker
Chen	Liu	IQE plc	ESR
Benito	Alén	IMN	Consortium Member
Jade	Robinson	IQE plc	Consortium Member
Alison	Chew	LSA Ltd	Speaker
Simone	Privitera	CSIC	ESR
Julian	Zanon	Eindhoven University of Technology	ESR
Gizem	Acar	Lancaster University	ESR
Sophie	Baber	IQE plc	Consortium Member
Iwan	Davies	IQE plc	Speaker/ Host