



Industry & Career Day Report (1/2)

Deliverable 7.8

Authors:

Michael Heuken (AIXTRON, EIEC Chair)

Benito Alén (Network Coordinator)

Cecilia Cotero (Project Manager)

Date: April 14th 2022

Content Table

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

1. Event Summary

The Industry Day @AIXTRON was hosted by AIXTRON on March 18th 2022 as an online event due to COVID restrictions in place at the company's premises.

This event brought representatives of our project partners' spin-offs, SMES and large companies, as well as external companies to share with our PhD students their experience in diverse application fields. The discussions gave great insights on the opportunities and challenges of modern semiconductors industry and what is demanded in High-level Tech positions.

The talks covered all aspects of semiconductor research and technology at industrial scale, from epitaxial reaction design to semiconductor modelling.

The speakers of the event were:

- Dr. Bernd Schineller (AIXTRON SE)- Beneficiary.
- Dr. Lutz Bruegemann (Bruker AXS GmbH)- Partner Organisation.
- Dr. Robert Weih (nanoplus Nanosystems and Technologies GmbH) - Partner Organisation
- Dr. Zhi Gang Yu (QuantCAD LLC.) - Partner Organisation
- Dr. Urs Aeberhard (Fluxim AG) - Partner Organisation
- Dr. Alex Robson (Lancaster Material Analysis Ltd) - Partner Organisation
- Dr. Thomas Grange (nextnano Lab SAS)- Partner Organisation
- Dr. Joachim Rest (Laytec AG) - Invited
- Dr. Martin Strassburg (ams OSRAM) - External Advisory Board Member

The event counted with 57 total attendants, of which 14 were the project's ESRs, 1 was member of an external organisation, and 32 attendants belonged to consortium members.

2. Event Agenda & attendance list

Quantimony Industry Day @AIXTRON

Friday, March 18th, 2022

09:50-16:00 CET

Event Agenda		
09:50-10:00	Welcome & event introduction Dr. Bernd Schineller	AIXTRON
10:00-10:30	Market aspects of Epitaxial Technologies Dr. Bernd Schineller	AIXTRON
10:30-11:00	Investigation of Epitaxial Structures with X-ray Radiation Dr. Lutz Bruegemann	Bruker
11:00-11:30	Mid Infrared Lasers and LEDs for Sensing applications Dr. Robert Weih	nanoplus
11:30-12:00	Smart components, devices and systems for lighting and sensing Dr. Martin Strassburg	Ams OSRAM
12:00-13:00	Break	
13:00-13:30	Cross-sectional analysis of semiconductor materials via beam-exit cross-sectional polishing Dr. Alex Robson	LMA
13:30-14:00	Tools to boost R&D in emerging opto-electronics Dr. Urs Aeberhard	Fluxim
14:00-14:30	Simulation of quantum transport in semiconductor heterostructures Dr. Thomas Grange	nextnanoLab
14:30-15:00	In-situ monitoring in semiconductor manufacturing Dr. Joachim Rest	LayTec
15:00-15:30	Simulations of carrier dynamics in antimony-based superlattices Dr. Zhi Gang Yu	QuantCAD
15:30-16:00	Closing and final discussion	

Attendance list - Industry Day @AIXTRON

First Name	Last Name	Organisations	Type of attendant
Giulio	Barbieri	CSIC	ESR
Malte	Schwarz	UPM	ESR
Manoj	Kesaria	Cardiff University	Consortium member
vibha	srivastava	Cardiff University	Consortium member
Martin	Strassburg	ams OSRAM	Speaker
Iwan	DAVIES	IQE plc	Consortium Member
Stefan	Birner	nextnano GmbH	Consortium member
Xiuxin	Xia	Lancaster University	ESR
Michael	Heuken	AIXTRON	Event organiser
Anh Luan	Phan	University of Rome Tor Vergata	ESR
Manus	Hayne	Lancaster University	Consortium member
Aurelia	Trevisan	Eindhoven University of Technology	ESR
Peter	Hodgson	Lancaster University	Consortium member
Takuma	Sato	nextnano GmbH	ESR
Peter	Carrington	Lancaster University	Consortium member
Bernd	Schineller	AIXTRON SE	Speaker /Host
Julian	Zanon	Eindhoven University of Technology	ESR
Matthias	`Auf der Maur	University of Rome Tor Vergata	Consortium member
Chen	Liu	IQE plc	ESR
Francisco	Alvarado	University of Warwick	ESR
Urs	Aeberhard	Fluxim AG	Speaker
Brandon	Loke	nextnano GmbH	Consortium member
Zhi-Gang	Yu	QuantCAD LLC	Speaker
P	Bond	Lancaster University	Consortium member
Alessio	Quadrelli	Lancaster university	Consortium member
Borislav	Petrovic	University of Würzburg	ESR
Fernanda	Malato Praxedes	ICMM/CSIC	ESR
Jaime	DOLADO	ESRF	Consortium member
Lucas	Mazzella	nextnano	Consortium member
Sophie	Au-yong	Lancaster University Lancaster University Physics	Consortium member
Edward	Dunn	Department	Consortium member
Leonardo	Forcieri	Lancaster University	Consortium member
Lutz	Bruegemann	Bruker AXS Institute of Micro and Nanotechnology	Speaker
José Manuel	Llorens	(IMN-CSIC)	Consortium member
Herbert	Maczko	nextnano GmbH	Consortium member
Lucie	Leguay	TU Berlin	ESR
cecilia	cotero	IMN CSIC	Consortium member
Benito	Alén	IMN CSIC	Consortium member
Carola	Burkl	nextnano GmbH	Consortium member
Jose María	Ulloa	ISOM-UPM	Consortium member
Hajrudin	Husejni	AIXTRON SE	ESR
Gizem	Acar	Lancaster University	ESR
Michael	Flatté	Eindhoven University of Technology	Consortium member
Fangling	wu	lancaster university	Consortium member

Lazar	Stanojevic	Universidad Politécnica de Madrid (ISOM-UPM)	Consortium member
Alex	Robson	Lancaster Material Analysis Ltd	Speaker
Kolja	Haberland	LayTec AG	Speaker
Joachim	Rest	LayTec AG	Speaker
PALOMA	TEJEDOR	ICMM-CSIC	Consortium member
Matthew	Bentley	Lancaster University	Consortium member
Volker	Blank	LayTec AG	External
Niall	Mulholland	Lancaster University	Consortium member
David	González Robledo	University of Cadiz	Consortium member
Kemal	Öztaş	nextnano GmbH	Consortium member
Enrique	Navarro	Csic	Consortium member
Thomas	Grange	nextnano Lab	Consortium member
Alejandro	Gallego	ISOM - UPM	Consortium member