


<b>Meeting Name:</b> Consortium Meeting ELEQUANT <b>Meeting Date:</b> 28-29/05/2026 <b>Meeting Venue:</b> gate Garching Technologie- und Gründerzentrum <b>Organizer:</b> Christopher Bauerle - Neel : <a href="mailto:christopher.bauerle@neel.cnrs.fr">christopher.bauerle@neel.cnrs.fr</a> <b>Local Organizer N°1:</b> Stefan Birner - nextnano GmbH: <a href="mailto:stefan.birner@nextnano.com">stefan.birner@nextnano.com</a> <b>Local Organizer N°2:</b> Oleg Yevtushenko - nextnano GmbH: <a href="mailto:oleg.yevtushenko@nextnano.com">oleg.yevtushenko@nextnano.com</a> <b>Local Organizer N°3:</b> Herbert S. Mączko - nextnano GmbH: <a href="mailto:herbert.maczko@nextnano.com">herbert.maczko@nextnano.com</a>	 <p><b>Objectives:</b></p> <ol style="list-style-type: none"> <li>1. Present recent scientific results,</li> <li>2. discussions and plans for Year 2-3.</li> </ol>
--	---

Thursday 28/05/2026				
Agenda Item	Title	Speaker/Leader	Starting Time	Duration
<b>START OF THE MEETING</b>				
#1	Introduction & Welcome	Christopher BAUERLE (CNRS) Stefan BIRNER (nextnano)	09:00	00:15
<b>Presentations of Invited Speakers - Chairperson: Anasua CHATTERJEE</b>				
#2	Quantum metrology of electrical currents	Frank HOHLS (PTB Braunschweig)	09:15	00:45
#3	Multilevel 0- $\pi$ transitions in proximitized Ge	Andrea HOFMANN (Univ. Basel)	10:00	00:45
<b>COFFEE BREAK</b>			10:45	00:30
<b>Presentations of ELEQUANT Partners (1/2) - Chairperson: Giorgos GEORGIU</b>				
#4	Recent progress in ultrafast photocurrent dynamics in van der Waals materials	Norio KUMADA (NTT)	11:15	00:45
#5	Low-Disorder Transport in Compressively Strained Ge Quantum Wells: Realisation of Ultra-High Mobility 2D Hole Systems	Maksym MYRONOV (UoW)	12:00	00:25
<b>LUNCH BREAK &amp; PARTICIPANTS PICTURE</b>			12:25	01:30
<b>Presentations of ELEQUANT Partners (2/2) - Chairperson: Slava KASHCHEYEV</b>				
#6	Planar germanium at the intersection of quantum technology and condensed matter	Anasua CHATTERJEE (TU Delft)	13:55	00:25
#7	Quantum nanoelectronics at picosecond time-scales: Addressing a critical enabling technology	Giorgos GEORGIU (UoG)	14:20	00:25
<b>COFFEE BREAK</b>			14:45	00:30
<b>Presentations of ELEQUANT Partners (3/3) - Chairperson: Christopher BAUERLE</b>				
#8	Electron quantum optics in graphene	Preden ROULLEAU (CEA Saclay)	15:15	00:25
#9	Electrostatic and quantum-transport simulations of Ge heterostructures	Marceau NOUVELLON (CNRS)	15:40	00:25
<b>SHORT BREAK</b>			16:05	00:10
<b>Discussions (1/3)</b>				
#10	Germanium nanofabrication	Christopher BAUERLE (CNRS)	16:15	01:30
<b>END OF THE DAY 1</b>			17:45	
<b>DINNER (Gasthof Neuwirt, Garching b. München)</b>			19:00	

Friday 29/05/2026				
Agenda Item	Title	Speaker/Leader	Starting Time	Duration
<b>Discussions (2/3)</b>				
#11	Feedback on RP1 and review meeting	Christopher BAUERLE (CNRS)	10:00	00:30
#12	Dissemination and Exploitation, PSB, Trieste meeting	Christopher BAUERLE (CNRS)	10:30	00:45
<b>COFFEE BREAK</b>			11:15	00:15
<b>Discussions (3/3)</b>				
#13	Discussion & Conclusions: Decisions concerning the next annual meeting, including date and venue	Christopher BAUERLE (CNRS)	11:30	00:30
<b>END OF THE MEETING</b>			12:00	
<b>LUNCH</b>			12:00	01:30
<b>Optional Discussions</b>				
#14	Simulations with nextnano software in CNRS	Herbert S. Mączko (nextnano) Oleg Yevtushenko (nextnano)	13:30	
	Material/integration for THz applications	Giorgos GEORGIU (UoG)		
<b>END OF THE DAY 2</b>				