



# Marie Curie Initial Training Network “Few spin solid state nano-systems”

01/01/2012-31/12/2015

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## Notes from Kick off meeting – Walter Schottky Institut, Munich 7 February 2012

External delegates (TU Munich)				S3NANO Partners		
Surname	Forename	Surname	Forename	Surname	Forename	Institution/organisation
Büse	Alexander	Laussy	Fabrice	Atature	Mete	Cambridge
Abstreiter	Gerhard	Lichtmanecker	Stefan	Fallahi	Parisa	ETH Zürich
Ardelt	Per-Lennart	Margapoti	Emanuela	Finley	Jon	TUM
Bechtold	Alexander	Müller	Kai	Frossati	Giorgio	Leiden
Blauth	Mäx	Reichert	Thorsten	Hanson	Ronald	Delft
Bracher	Gregor	Reithmaier	Günther	Imamoglu	Atac	ETH Zürich
Brenneis	Andreas	Rudolph	Daniel	Karrai	Khaled	Attocube
Erhard	Nadin	Sawano	Kentarou	Kormanyos	Andor	Konstanz
Finley	Jonathan	Schopka	Johannes	Kouwenhoven	Leo	Delft
Giedke	Geza	Schraml	Konrad	Kroner	Martin	ETH Zürich
Hauke	Norman	Senf	Jörg	Loss	Daniel	Basel
Holleitner	Alexander	Stallhofer	Markus	Meyer	Francizka	Basel
Jovanov	Vase	Waeber	Andreas	Müller	Tina	
Kaldewey	Timo			Taminiau	Tim Hugo	Delft
Kammerlocher	Mathias			Tartakovskii	Alexander	Sheffield
Kastl	Christoph			Varlet	Anastasia	Zürich
Klotz	Florian			Warburton	Richard	Basel

1	<b>Partners</b>	<b>Associated Partners</b>
	<b>Sheffield</b> , A Tartakovskii <b>Cambridge</b> , M Atature <b>TU Munich</b> , J Finley <b>Konstanz</b> , G Burkard <b>Attocube</b> , K Karrai <b>ETH Zurich</b> , A Imamoglu, K Ensslin <b>Basel</b> , R Warburton, D Loss <b>TU Delft</b> , R Hanson, L Kouwenhoven <b>Leiden Cryogenics</b> , G Frossati	Hitachi Cambridge Laboratory, Element Six, EPSRC National Centre for III-V Semiconductor echnologies
2	<b>Research Topics</b>	
	<b>Work Packages</b> (see Annex I for details):  1. Realization and optical control of coherent single spins in nanostructures 2. Spin-orbit interaction and spin-orbit qubits in nanostructures	

	<p>3. Advanced techniques for manipulation of nuclear spins on the nanoscale 4. Generation of long-distance entanglement between single spins</p> <p><b>Materials:</b> quantum dots, nanowires, color centres in diamond, graphene QDs, carbon nanotubes</p>		
3	<b>Fellows</b>		
	<p><b>Fellow types:</b> Early Stage Researcher (ESR), Experienced Researcher (ER)</p> <ul style="list-style-type: none"> <li>• <b>Sheffield</b>, 2 ESR</li> <li>• <b>Cambridge</b>, 2 ESR, 1 ER</li> <li>• <b>TU Munich</b>, 1 ESR</li> <li>• <b>Konstanz</b>, 1 ESR</li> <li>• <b>Attocube</b>, 1 ER</li> <li>• <b>ETH Zurich</b>, 1 ESR, 1 ER</li> <li>• <b>Basel</b>, 2 ESR</li> <li>• <b>TU Delft</b>, 2 ESR, 1 ER</li> <li>• <b>Leiden Cryogenics</b>, 1 ER</li> </ul> <p><b>Total for network: 11 ESR, 5 ER</b></p>		
4	<b>Events</b>		
	<b>Main training events &amp; conferences</b>	<b>Lead Institution</b>	<b>Project month</b>
1	Kick-off meeting	Munich	2
2	International conference on physics of semiconductors, ICPS-31	Zurich, Basel	8
3	Nanospintronics school	Sheffield	10
4	Project meeting with industry	Delft	17
5	Mid-term review meeting	Zurich	23
6	Nanospintronics school	Cambridge	30
7	Project meeting with industry	Basel	35
8	International conference " <b>Spin-based quantum information processing</b> "	Konstanz	42
5	<b>Management issues</b>		
	<p><b>Recruitment</b></p> <ul style="list-style-type: none"> <li>• Timescale, rules and obligations</li> </ul> <p><b>Finances</b></p> <ul style="list-style-type: none"> <li>• Management fund</li> </ul> <p><b>Next meeting(s)</b></p> <ul style="list-style-type: none"> <li>• Management meeting at ICPS</li> <li>• Winter (?) school end 2012/beginning 2013</li> </ul> <p><b>Use of S<sup>3</sup>NANO web-site</b></p> <ul style="list-style-type: none"> <li>• Newsletters etc</li> </ul>		
6	<b>Recruitment</b>		
	<p><b>Timescale</b></p> <ul style="list-style-type: none"> <li>• <b>ESRs - only 11 months left !</b> Any chance for collaboration on this within S<sup>3</sup>NANO?</li> </ul>		

	<ul style="list-style-type: none"> <li>• ERs could be left for later</li> </ul> <p><b>Rules and obligations</b></p> <ul style="list-style-type: none"> <li>• See ANNEX III for definitions and mobility rules</li> <li>• All fellows to be employed by institutions</li> <li>• Advertise at <b>EURAXESS</b> job vacancy portal</li> </ul>
7	<b>Finances</b>
	<p><b>Management funds</b></p> <ul style="list-style-type: none"> <li>• Certain amounts have been allocated to each node (from 20k to 70k)</li> </ul> <p><b>Use of management funds</b></p> <ul style="list-style-type: none"> <li>• Organisation of meetings (including expenses of attendees from outside the network)</li> <li>• Node coordinator's travel to network meetings</li> <li>• Contribution to support staff costs</li> <li>• Audit</li> </ul>
8	<b>Next Meetings</b>
	<p><b>Management meeting at ICPS</b></p> <ul style="list-style-type: none"> <li>• To discuss recruitment and fellow training issues</li> </ul> <p><b>Winter (?) school 2012/2013</b></p> <ul style="list-style-type: none"> <li>• Once most of the ESR positions are filled</li> </ul>
9	<b>Use of S<sup>3</sup>NANO web-site</b>
	<ul style="list-style-type: none"> <li>• <b>Network (and site) will be actively promoted beyond the “recruitment season”</b></li> <li>• Regular newsletters will be published and circulated in 2-3 months intervals</li> <li>• <b>Advertise positions in this ITN and your groups in general</b></li> <li>• <b>Advertise relevant meetings</b></li> <li>• <b>Promote new products relevant to research field</b></li> </ul>