



**Scientific meeting on atomic and molecular scale
silicon quantum nanoelectronic technology**
(venue: University of Latvia, Raina boulevard 19, Riga, Latvia)

Monday, October 5th 2015

9:00	Registration and coffee
9:15	Introduction and welcome by Xavier and Slava
9:30	Jonathan Fletcher (National Physical Laboratory, Teddington, UK) <i>"Fermion quantum optics"</i>
10:10	Janine Splettstoesser (Chalmers University of Technology, Goeteborg, Sweden) <i>"Fermion-parity duality and energy relaxation in interacting open systems"</i>
10:50	Coffee break
11:10	Peter Samuelsson (Lund University, Lund, Sweden) <i>"Wave packet shaping in coherent electron on-demand emission"</i>
11:50	Slava Kashcheyevs (University of Latvia, Riga, Latvia) <i>"Characteristic time and energy scales for tunable-barrier pumps"</i>
12:30	Lunch break
14:00	Xavier Jehl (CEA Grenoble, France; SiAM WP1&2) <i>"CMOS-based electron-beam devices for dots, pumps, dopants: progress report"</i>
14:40	Tobias Wenz (Physikalisch-Technische Bundesanstalt, Braunschweig; SiAM WP1&2)
15:20	Coffee break
15:40	Slava Kashcheyevs (University of Latvia; SiAM WP5) <i>"Simulation of dopant-based electron pumps"</i>
16:20	Joost Ridderbos (University of Twente, The Netherlands; SiAM WP1&4) <i>"g-factor anisotropy in tuneable artificial atoms in Ge/Si core/shell nanowires"</i>
17:00	End of talks
evening	Dinner in town

Tuesday, October 6th 2015

9:00	Patrick Reynaud (CEA Grenoble, France; SiAM WP1)
9:40	Nikola Pascher (IBM Zurich, Switzerland; SiAM WP1&3)
10:20	Coffee break
10:40	Review of the upcoming work for SiAM: deliverables, report to be done by end of november
11:30	End of the meeting