

Biannual project meeting 2

4-5 December 2019, Heriot Watt University, Edinburgh

Heriot Watt University, David Brewster Building, room DB 1.30



Wednesday 4.12.2019

9.00 – 9.55 – Welcome and Theory talks: report on D3.1, D4.1 and on progress towards D1.3, M3.1, D3.2 (Sep 2020)

N. Korolkova: Welcome/Intro (10 min); M. Thornton: PhoG in pulsed regime (15 min);

P. de la Hoz: Symmetric PhoG (15 min); D. Mogilevtsev: PhoG - design notes (15 min)

9.55-10.40 PhoG fabrication: report on D1.1 and on progress towards M1.1, M1.2 and D1.2 (Mar 2020), D1.4 (Sep 2020)

R. Thompson, D. Maclachlan, J. Siliprandi (45 min)

10.40-11.10 – coffee break

11.10-11.55 PhoG in imaging: report on progress towards M4.1, D4.3 (Mar 2020)

D. Boiko (45 min)

11.55-12.40 Detection and characterization: report on M2.1, M2.2 and on progress towards D2.1 (Mar 2020); Detection of sub-Poissonian statistics; Detection of entanglement in symmetric PhoG; Characterization of nonlinearity parameter

B. Brecht, J. Tiedau (45 min)

12.45-14.00 lunch and free discussions

14.00 – 17.15 PhoG fabrication

Lab tour HWU with demonstration of device characterization

Discussion rounds: Experimental asymmetric PhoG (leading HWU, CSEM, UPB);

PhoG numerical simulations (leading USTAN, UPB)

CSEM report on D4.2 and round discussion PhoG for clock (leading CSEM, USTAN, IPNASB)

Coffee available during discussions

7 pm dinner Beirut Restaurant <https://www.beirutrestaurant.co.uk>

(24 Nicolson Square, Edinburgh, tel: 0044 131 6679919)



Thursday 5.12.2019

9.00-13.00

CSEM report on D4.2 and round discussion PhoG for clock

- continued (leading CSEM, USTAN, IPNASB)

Admin: Cross-Flagship consortium agreement; Flagship cluster review in May; Next bi-annual meeting; PhoG outreach, PhoG website, etc (NK)

Management: detailed plan for the next phase (NK)

Coffee available during discussions

13.00 lunch

Discussions (HWU, USTAN, IPNASB)

14.30 End

List of participants:

USTAN: M. Thornton, P. de la Hoz, N. Korolkova

HWU: J. Siliprandi, D. Maclachlan, R. Thompson

IPNASB: D. Mogilevtsev

UPB: J. Tiedau, B. Brecht

CSEM: D. Boiko