

# PhoG Kick-off Meeting on 22 November 2018

## St Andrews, The Scores Hotel, Patio Room



*(Best Western Scores Hotel, 76 The Scores, St Andrews, KY16 9BB)*

Project website: <https://www.st-andrews.ac.uk/~phog/>

### 8.30 Welcome

8.35-9.25 (50 min) N. Korolkova (U St Andrews), D. Mogilevtsev (IPNASB). Theory of PhoG devices.

9.25-10.10 (45 min) Dmitri Boiko, CSEM. Envisioned application for clocks.

### Coffee break and discussions

10.35-11.20 (45 min) Integrated Quantum Optics group, U Paderborn. Overview of the group activities.

11.20-12.05 (45 min) Robert Thomson, Photonic Instrumentation group, Heriot Watt University. Linear and nonlinear integrated waveguides and their potential.

12.05 – 13.00 Discussions

### Lunch break

#### Afternoon: Discussions (coffee will be available):

14.30-14.45 Ann Le Feuvre, Financial and administrative matters.

Characterization and tomography (lead – IPNASB, participation all).

Capabilities of chi-3 laser-inscribed nonlinear waveguides (lead – HWU, participation all).

Capabilities of chi-2 systems, driven quantum walk (lead – UP, participation all).

Smaller group discussions also possible (available: Patio room and lounge).

**Wrap up:** Concrete tasks for the first phase of the project with agreed timeline (write-up will be distributed per e.mail after the meeting).

Note that Dmitri Boiko will depart from the meeting around 13.20. We aim at discussing activities involving CSEM after his talk and during the first coffee break and if needed during the lunch break.

### Participants:

**USTAN** Natalia Korolkova, Matthew Thornton, Alexander Samson

**HWU** Robert Thompson, David MacLachlan, Calum Ross, Jacopo Siliprandi

**IPNASB** Dmitri Mogilevtsev

**UP** Sonja Barkhofen, Benjamin Brecht, Evan Meyer-Scott, Johannes Tiedau

**CSEM** Dmitri Boiko

**ADMIN** (for part of the meeting – short presentation and first coffee break):

Ann Le Feuvre, EU Co-Ordinator (Finance), Finance Advice and Support, University of St Andrews;

Irina Leonhardt, PhoG admin assistant (reporting, web, etc)