



**2rd General Assembly
18 September 2015
Room A108, Polo Scientifico e Tecnologico Fabio Ferrari (Povo 1)
Via Sommarive 18, Trento**

September 18, 2015 (Room A108)

09.00 – 09.10 **Welcome remarks**
coordinator of the project Lorenzo Pavesi

WP1:

09.10 – 09.30 Georg Pucker **WP1 Overview and Progress report** , FBK

09.30 – 09.50 Guang-Hua Duan **Recent advances on heterogeneous III-V integration on silicon in III – V labs**, III-V Lab

WP2:

9.50 – 10.10 Mattia Mancinelli **Advances in quantum optics experiments in Trento Part I**, UNITN

10.10 – 10.30 Massimo Borghi **Advances in quantum optics experiments in Trento Part II**, UNITN

10.30 – 11.00 **Coffee break**

WP3:

11.00 – 11.20 Nicola Zorzi **Development of SPADs with NIR-enhanced detection efficiency**, FBK

11.20 – 11.40 Fernando Ramiro Manzano **Design of photonic integrated devices for frequency conversion from Near IR to visible**, UNITN

11.40 - 12.00 Inaki Lopez-Garcia **Project SiQuro: the research work carried out by the Florence node of INO-CNR and outlook**, INO-CNR, BEC

WP4:

12.00 – 12.20 Nicola Massari **Main Achievements and future actions**, FBK

12.20 – 12.40 Giorgio Fontana and Zahra Bisadi **Robust Quantum Random Number Generator with Si-nc light source**, UNITN

12.40 – 14.30 **Lunch and Steering Committee meeting**

WP4:

14.30 – 14.50 Alessandro Tomasi **QRNG modelling and validation** CryptoLab, UNITN

14.50-15.10 Guglielmo Morgari **TRNG output tests**, Telsy

WP5:

15.10 – 15.30 Pierre-Elie Larre **Superfluid and quantum features in the hydrodynamic flow of a fluid of light**, INO-CNR, BEC

15.30-15.50 Fabio Turri **Bogoliubov-like dispersion relation in a Kerr like medium**, UNITN

WP6:

15.50 – 16.10 Martin Kroner **Recent developments in Work Package 6**, ETH

16.10-16.30 Hyang-Tag Lim **Semiconductor Microcavity: Trion-polaritons**, ETH

16.30 – 17.00 **Coffee break**

17.00-17.20 Hannah Price **Interesting Physics from Breaking Symmetries in Silicon Ring Resonators**, INO-CNR, BEC

17.20-17.40 Allegra Calabrese **Integrated unidirectional reflectors based on novel microresonator structures**, UNITN

17.40 – 18.40 WP leaders – **Perspectives and future work** (10 minutes per each WP)

18.40-19.00 Lorenzo Pavesi **Wrap-up**