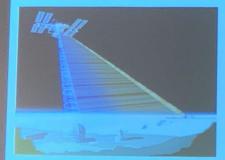


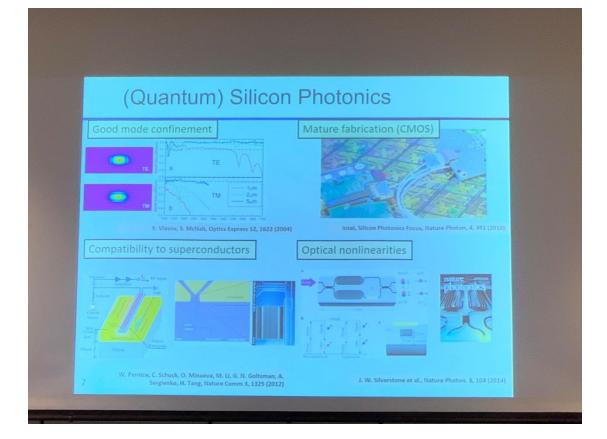
Large-scale Q network

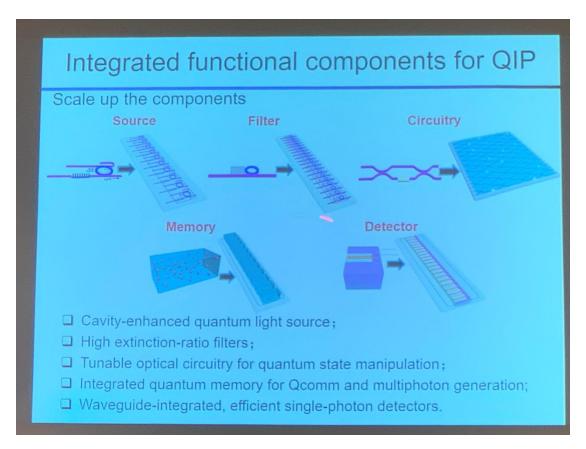


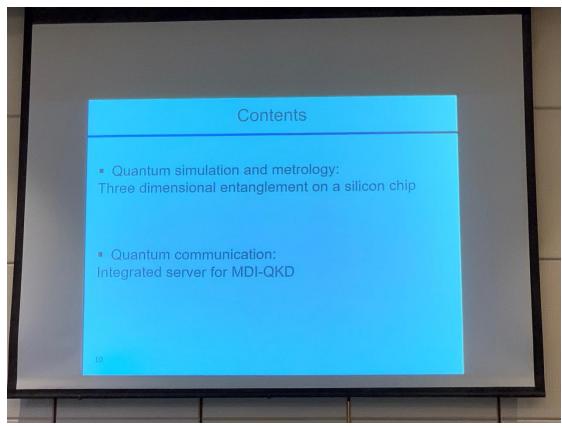
Current setup: bulk optics

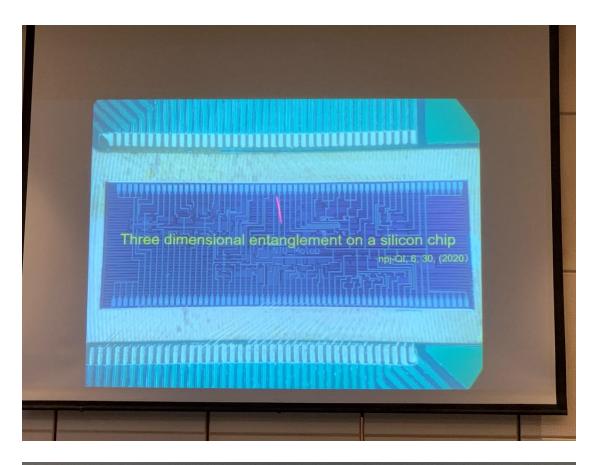


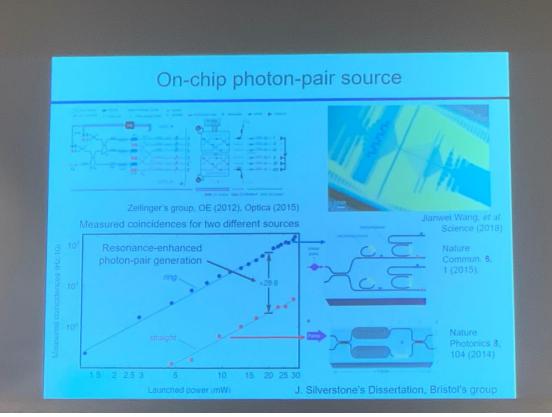
Require miniatured platform

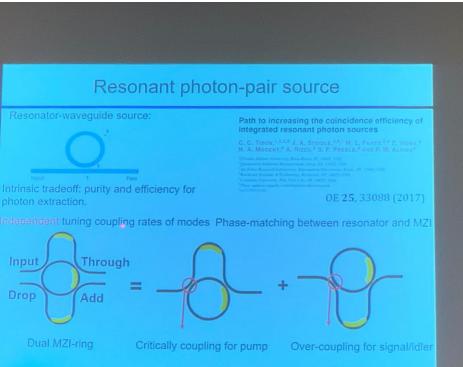


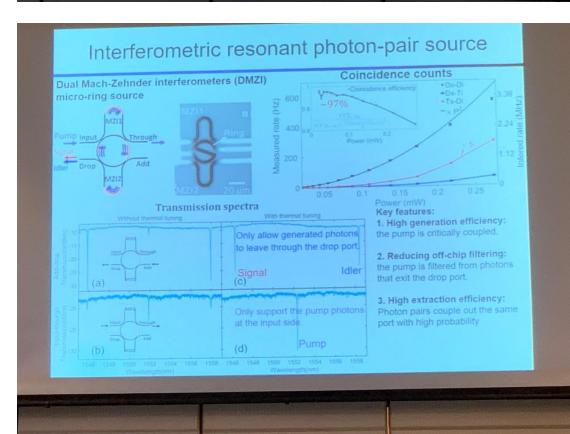


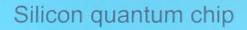






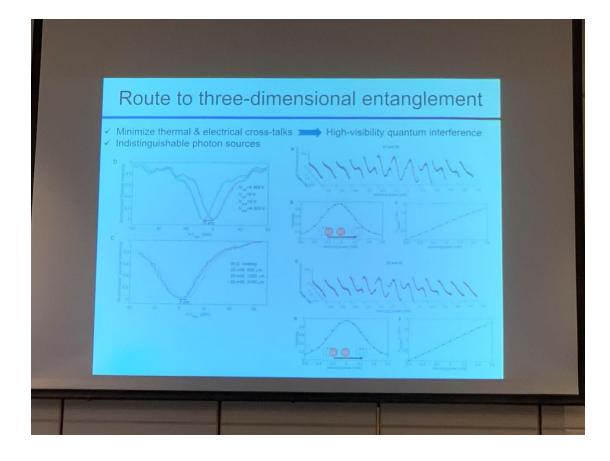


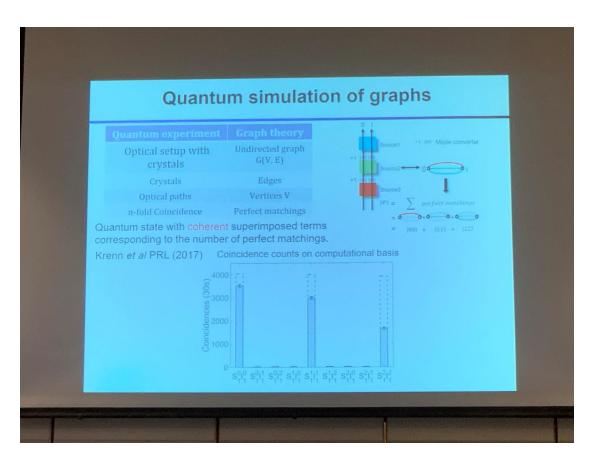


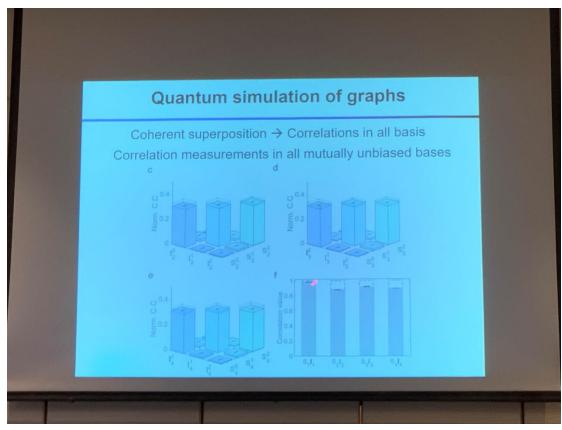


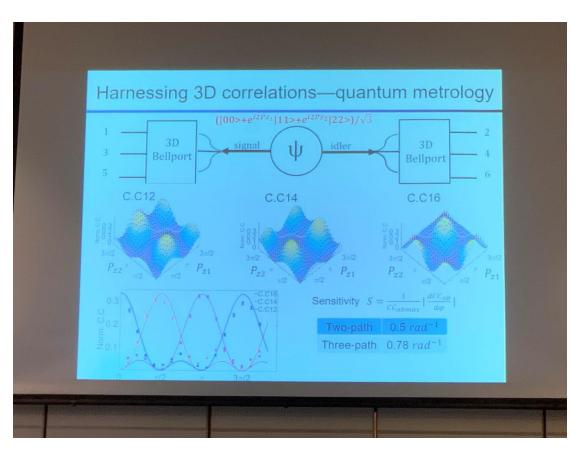


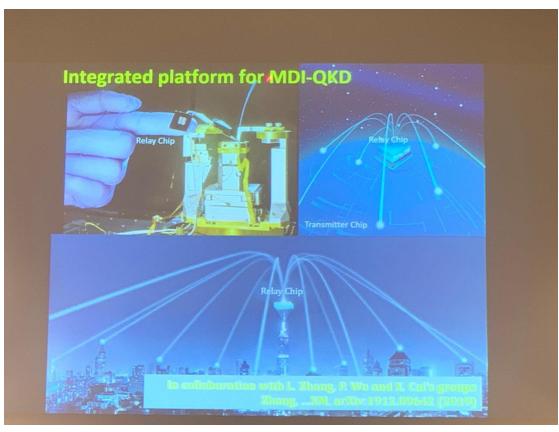
- Resonance-enhanced three-dimensional path-entangled photon-pair source
- Tunable on-chip WDM devices and quantum tomography

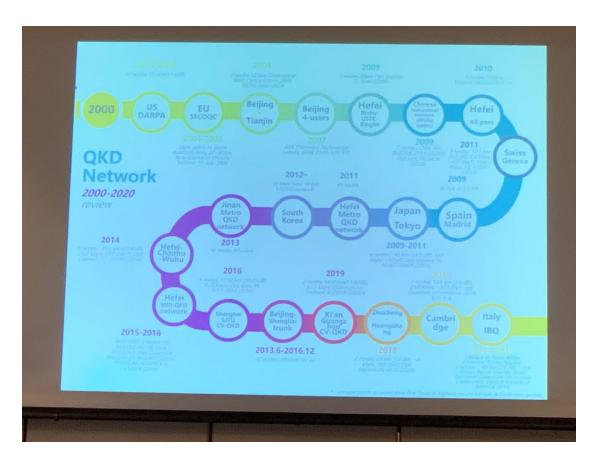


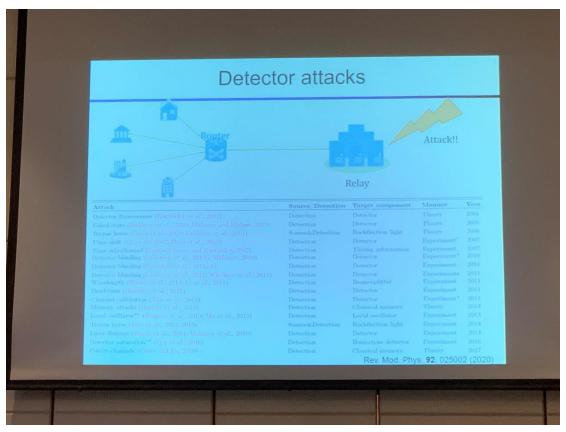


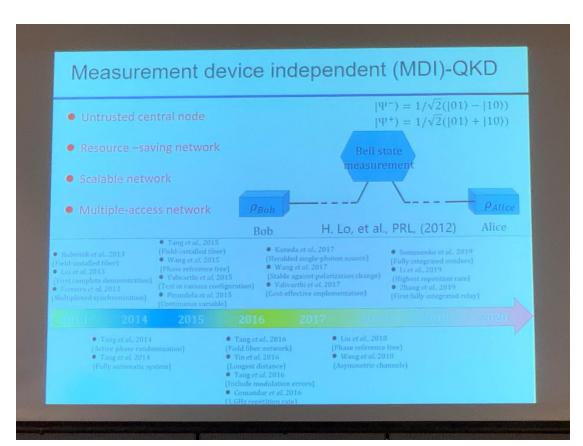


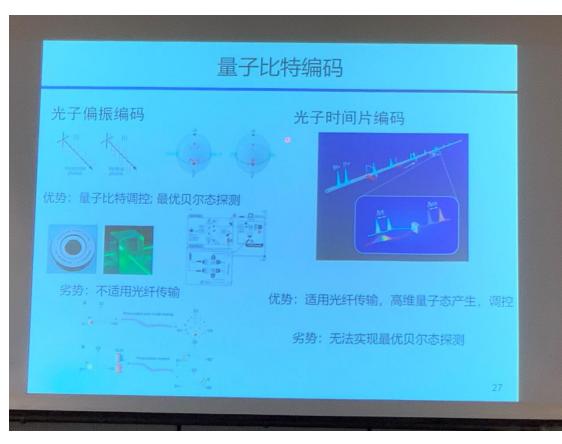




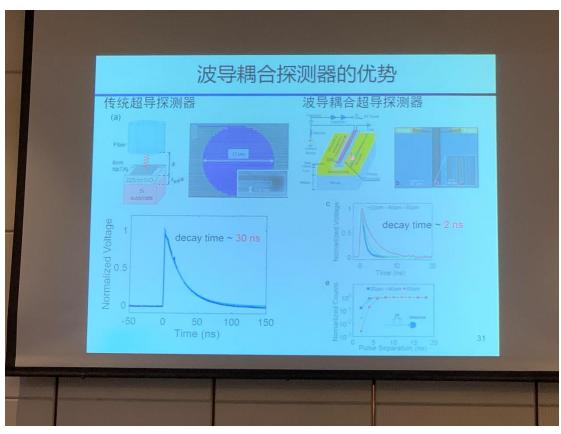




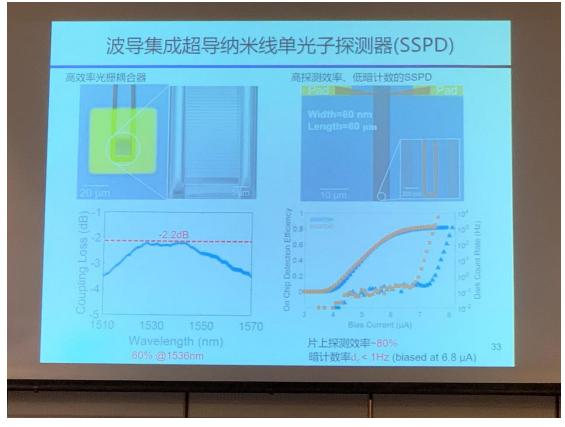










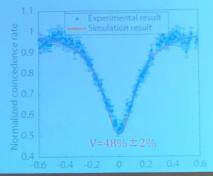






- ✓ 1536 nm 连续激光与波长稳定反馈 (0.1pm 精度)
- ✓ 时间片编码: 426ps 脉宽; 2ns 脉冲间隔
- ✓ 重复频率: 100MHz
- ✓ 平均光子数: μ_A = μ_B ~ 0.58

弱相干光的HOM 干涉



测量设备无关量子密钥分发: 结果

