

# Quantum Information Processing and Communication (QIPC) Cluster Review Conference

**This QIPC day is dedicated to the memory of Antonella Karlson  
Wednesday 5 March 2008, Institut Henri Poincaré, Paris**

Organized by the FET QIPC Proactive Initiative  
in collaboration with the Projects SCALA, QAP, EuroSqip, QUROPE  
Local organization provided by the IP SCALA

<b>Time slot</b>	<b>Contribution</b>
9.00 – 9:10	<i>Philippe Grangier</i> : Welcome, introduction and practical details. Antonella Karlson obituary
9:10 – 9:35	<i>Wolfgang Boch</i> (10' presentation + 15' discussion) The FET Proactive Initiative QIPC+E2QT: strategy and planning
9:35 – 9:45	<i>Elisabeth Giacobino</i> The ISTAG Working Group on FET
<b>9:45 – 10:10</b>	<b>Coffee Break</b>
<b>Panel discussion: European QIPC research in the international context</b>	
10:10 – 10:25	<i>Daniel Loss</i> (moderator) Introduction and Funding Overview in QIPC outside the EU
10:25 – 10:30	<i>Eugene Polzik</i> Overview of the European activities in QIPC
10:30 – 11:00	Contributions from representatives of extra-European QIPC programs <i>Charles Marcus</i> (USA), <i>Seigo Tarucha</i> (Japan), <i>Dana Berkeland</i> (USA)
11:00 – 11:40	<i>Open discussion</i> : What is needed in Europe to make QIPC research competitive on a world scale?
<b>11:40 – 13:30</b>	<b>Lunch</b>
13:30 – 14:00	<i>Geert Vancraeynest</i> (5') The first ERC Starting Grant call: Overview <i>Dominik Zumbuehl</i> (10') – <i>Giovanni Modugno</i> (10') Presentation of successful ERC proposals in the field of QIPC General questions (5')
14:00-14:15	<i>Rainer Blatt</i> (10' presentation + 5' discussion) The QIPC Strategic Report, App. on Quantum Information Technologies
14:15 – 14:40	<i>Tommaso Calarco</i> (15' presentation + 10' discussion) The consultation workshop on QIPC and other Quantum Technologies
14:40 – 15:05	<i>Eugene Polzik / Lukas Theussl</i> (20' presentation + 5' questions) Recent and upcoming activities of the CA QUROPE
<b>15:05 – 15:30</b>	<b>Coffee Break</b>
15:30 – 15:55	<i>Göran Wendin</i> (20' presentation + 5' questions) Recent highlights from the IP EuroSqip
15:55 – 16:20	<i>Martin Plenio / Ian Walmsley</i> (20' presentation + 5' questions) Recent highlights from the IP QAP
16:20 – 16:45	<i>Philippe Grangier</i> (20' presentation + 5' questions) Recent highlights from the IP SCALA
<b>Panel discussion (contin.): European QIPC research in the international context</b>	
16:45 – 17:45	<i>Daniel Loss</i> (moderator) Contributions from representatives of extra-European QIPC programs Video conferencing with R. Laflamme (Canada) <i>Open discussion</i> : What is needed in Europe to make QIPC research competitive on a world scale?
17:45 – 18:00	<i>Wolfgang Boch, Rainer Blatt and/or Tommaso Calarco</i> Conclusions
<b>Social dinner</b> ( <a href="http://www.chez-jenny.com/">http://www.chez-jenny.com/</a> )	