



to the
21st TANGO Meeting!

Is this really the 21st Meeting ?



Depends on when T=0 !

- ESRF + SOLEIL
 - 10 meetings
 - 3/2002 → 12/2003
- ESRF + SOLEIL + ELETTRA
 - 3 meetings
 - 1/2004 → 12/2004
- ESRF + SOLEIL + ELETTRA + ALBA
 - 3 meetings
 - 5/2005 → 9/2006
- ESRF + SOLEIL + ELETTRA + ALBA + DESY
 - 5 meetings
 - 3/2007 → 5/2009

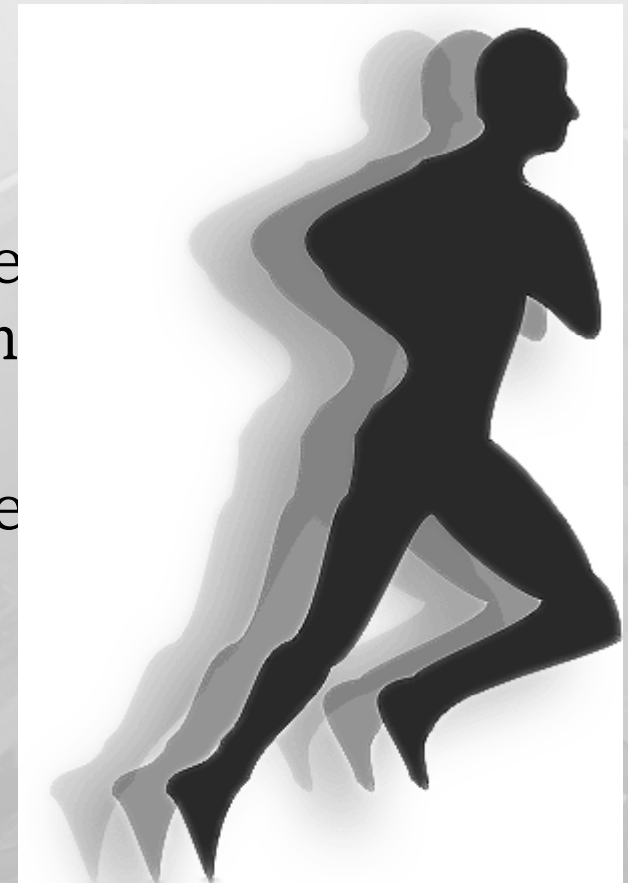


TANGO is a

- A sensual romantic dance :
- A CORBA-based control system which we use to solve many problems
- We all use the same protocol
- We all want the protocol to be fast
- This meeting is dedicated to **PERFORMANCE!**

Performance related Talks

- OmniORB – Duncan will talk about features and evolution
- Tango C++ – Emmanuel will give us the figures and propose a new event system
- PyTango – Ramón/Tiago on performance + new features

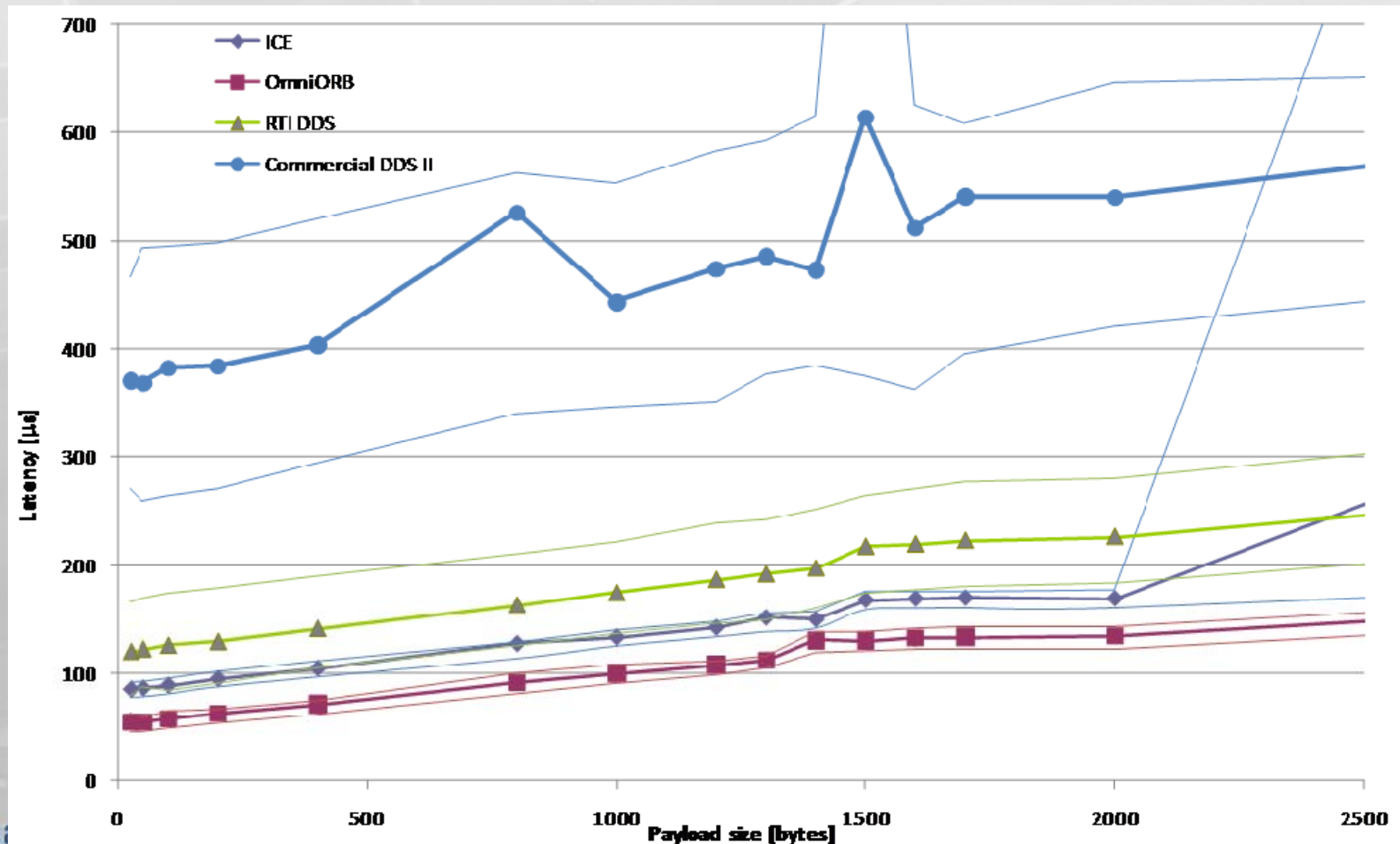


CORBA + performance

- OmniORB is one of the fastest implementations of CORBA out there
- Tango is based on omniORB (C++ and Python) and JacORB (Java)
- We are lucky to have the maintainer of omniORB with us today – welcome to Duncan Grisby !



OmniORB fastest out there according to Cosylab ...



cf. Klemen Zagar's presentation at EPICS meeting, April 2009, Vancouver

Performance Session Objectives

1. What is the real performance of Tango
2. What performance do we/you need ?
3. In what direction should the Tango protocol develop ?
4. Conclude on the Performance issues

Performance related Questions

1. What is the server-to-client ratio e.g. *1-to-N*, *N-to-1* or *N-to-N*?
2. Would a simple multicast be enough ?
3. Should we implement streaming* ?
4. Do we really need DDS ?
5. How to boost Java ?
6. What are your issues with performance ?

Themes for future Meetings

- Scalability
- Beamline controls
- Graphical User Interfaces
- Your IDEAS

Next Meeting in Japan (Kobe) ?

**October 12 - 16, 2009
Kobe International Conference Center
Kobe, Japan**



A BIG THANKYOU to our Sponsors !



- ESRF *Computing Services Division* kindly provided the funds and wo/man power (*merci Christine + Pascal !*) to organise the workshop
- ILL for the use of the Chadwick theater

Let's Tango !

A light for Science

