

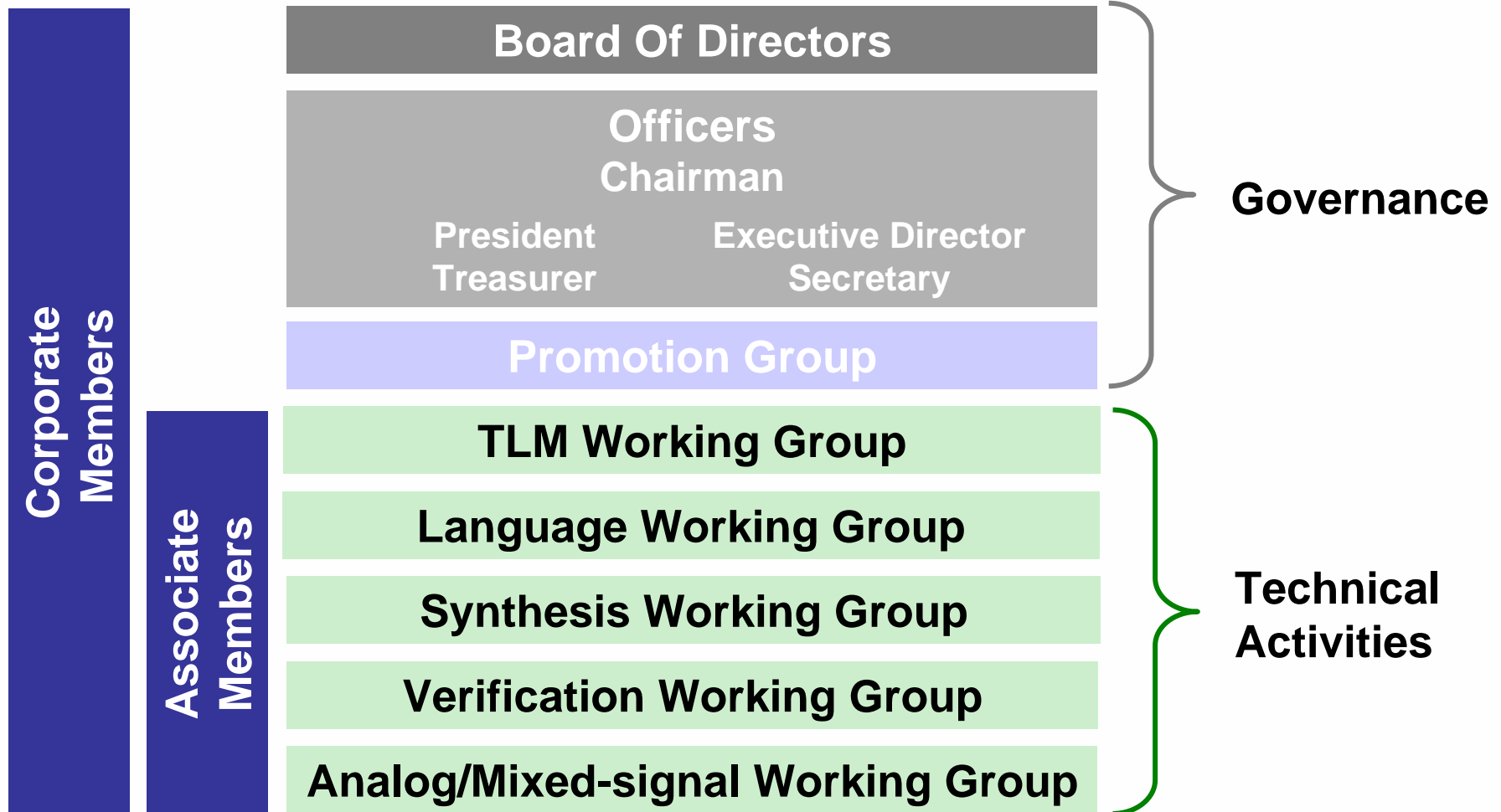


# SystemC Community Update

September 2007

Martin Barnasconi, OSCI AMS WG Chairman

# OSCI Organization



# OSCI Membership

*Corporate Members*



*Associate Members*



33 member companies  
8 new members since DAC 2006

Welcome CISC Semiconductor!



# OSCI Board of Directors and Officers

## ■ OSCI Board Members

- ARM – Nizar Romdhane
- Cadence - Stuart Swan
- CoWare - Pat Sheridan
- Forte - Mike Meredith
- Intel – Ken Tallo
- Mentor - Mark Glasser
- NXP - Ralph von Vignau
- STMicroelectronics - Alain Clouard
- Synopsys – Markus Willems

## ■ OSCI Officers

- Chairman, Alain Clouard
  - ◆ [alain.clouard@ST.com](mailto:alain.clouard@ST.com)
- President, Mike Meredith
  - ◆ [mmeredith@ForteDS.com](mailto:mmeredith@ForteDS.com)
- Executive Director, Pat Sheridan
  - ◆ [psheridan@CoWare.com](mailto:psheridan@CoWare.com)
- Secretary, Paul Tauber (Legal counsel)
  - ◆ [PJT@cpdb.com](mailto:PJT@cpdb.com)
- Treasurer, Stan Krolikoski
  - ◆ [stanleyk@cadence.com](mailto:stanleyk@cadence.com)

# What's New – DAC 2007



- *OSCI Open Source Proof of Concept Library v2.2 (IEEE 1666 LRM compatible)*
- *SystemC User Group Trends Report*
- *TLM WG Status Report*

*The SystemC Language is IEEE 1666™-2005*


Free download of the IEEE LRM is available at  
<http://standards.ieee.org/getieee/1666/index.html>

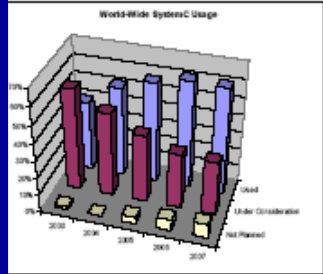
# SystemC User Group Survey Trends

- World-wide Analysis
- Based on SystemC User Group surveys
  - Europe
  - North America
  - Japan
  - India
  - Latin America

Report available at:  
[www.systemc.org](http://www.systemc.org)

**SystemC Users Group Survey Data Trends Report, April 2007**





**Trend: SystemC Project Experience**

In an early SystemC Users Group in 2002 only 16% of the attendees using SystemC had actual project experience in their company. We began reassessing the attendee's SystemC project experience in 2004. At that time, 30.4% of the attendee's company had performed 1 or more design projects using SystemC. Today, we are pleased to find that project experience keeps coming, with over 15% having experience with 10 or more designs and over 5% having performed 1 or more projects. This confirms that most user group attendees are very experienced with SystemC. This engaged user community continues to provide experienced feedback that significantly influences the future direction of SystemC.

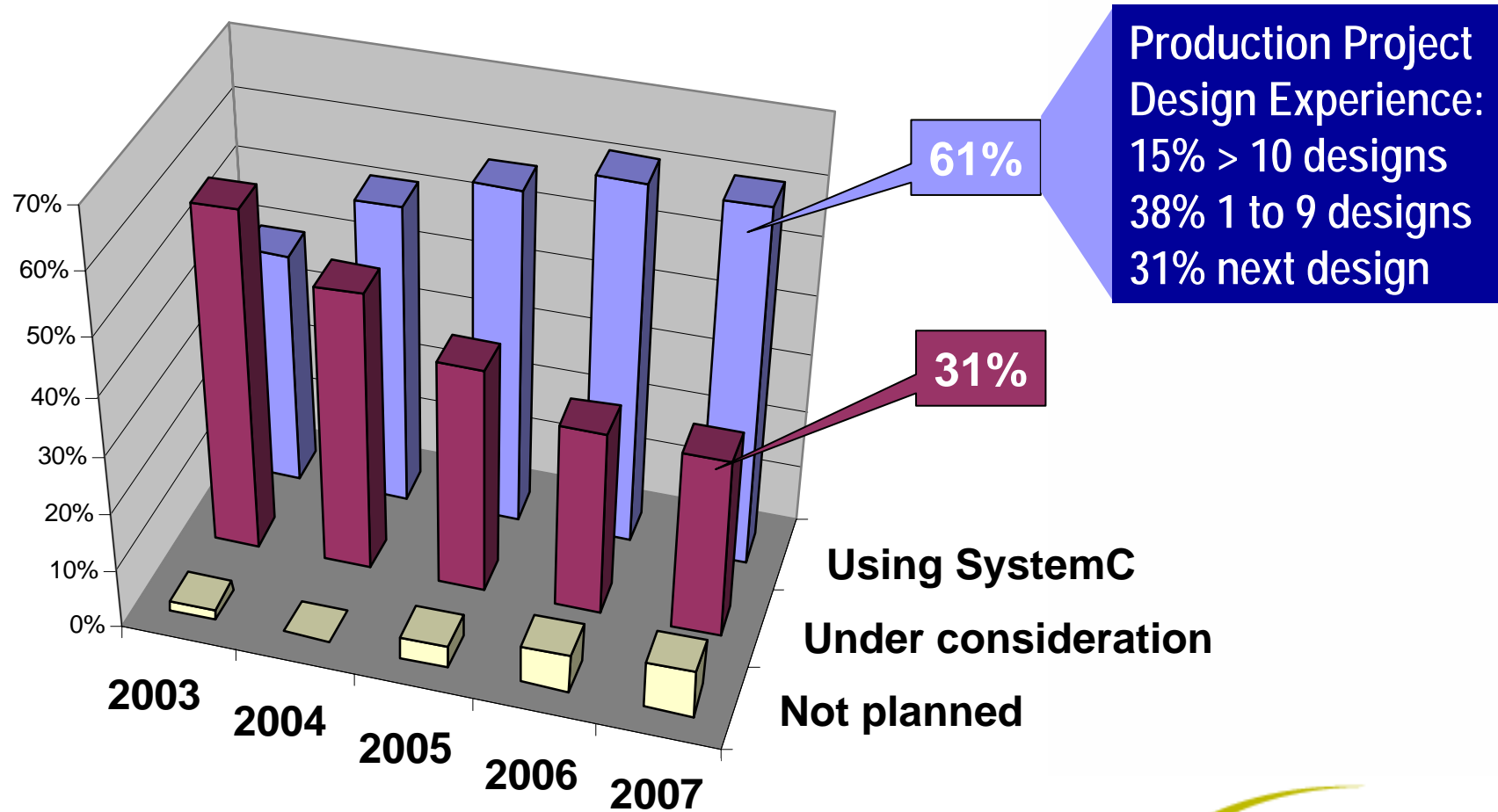
World-wide SystemC Project Experience	2004	2005	2006	2007
10 or more designs	—	8.0%	14.4%	15.0%
1 or more designs	43.4%	22.1%	30.3%	37.1%
Next Project	15.9%	43.9%	20.2%	30.1%
Next 2-3 years	23.8%	21.2%	14.0%	13.2%
Using another Language	18.6%	8.8%	5.1%	2.6%

SystemC Users Group Survey Data Trends Report, April 2007  
 © Open SystemC Initiative



# SystemC User Group Survey Trends

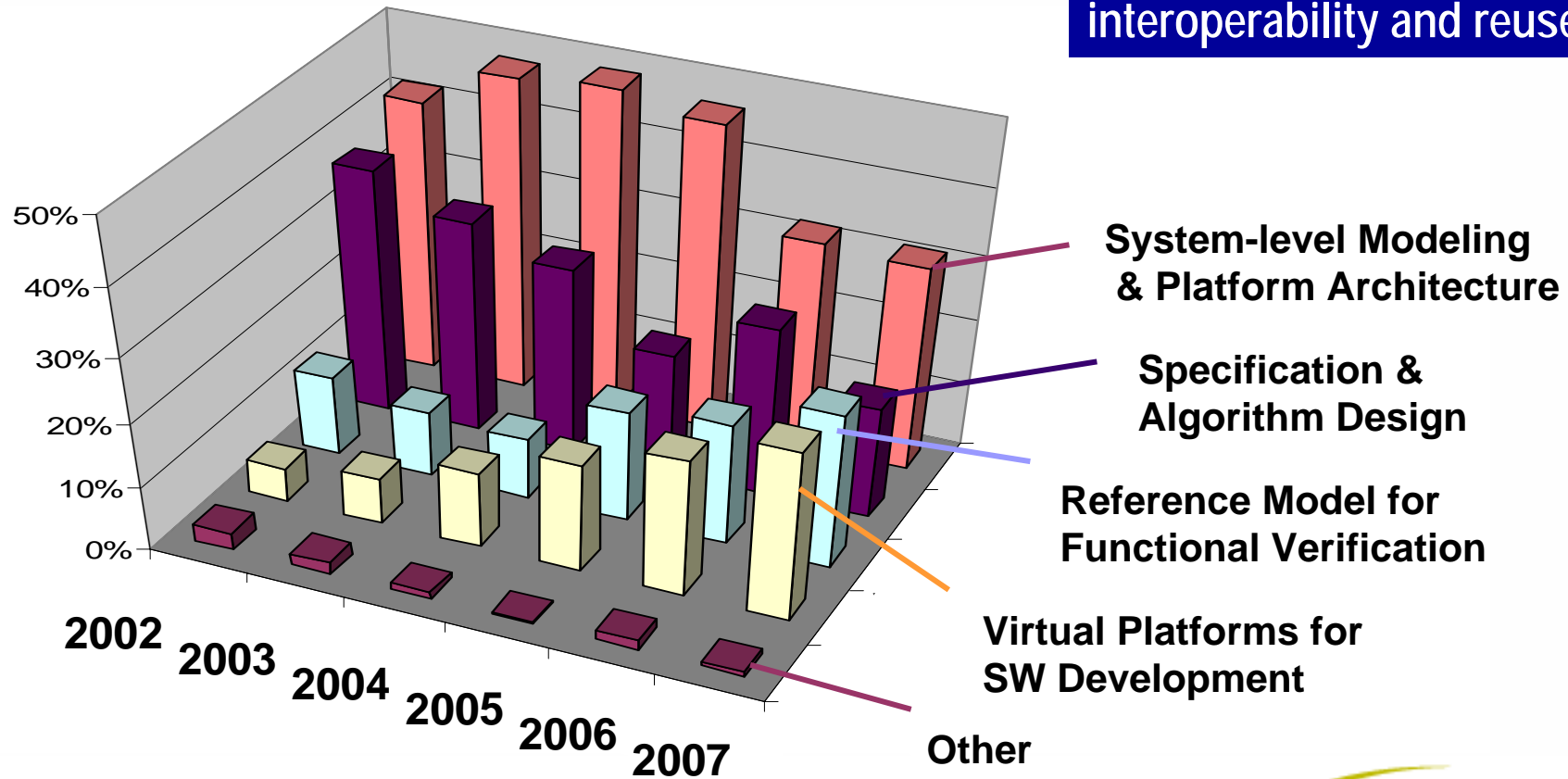
## World-wide SystemC Usage Growth



# SystemC User Group Survey Trends

## World-wide SystemC Use-Models

Balanced mix is fueling demand for SystemC TLM interoperability and reuse





[www.systemc.org](http://www.systemc.org)

- Complete redesign launched 8/24/07
- Easy to Navigate
- Up-to-date, high-quality information
  - Featured news and events
  - Discussion groups
  - Working group facilities
  - Downloads
  - Membership
- And More!

The screenshot shows the SystemC website homepage. At the top left is the SystemC logo. To the right is the text 'OPEN SYSTEMC INITIATIVE Defining & Advancing SystemC Standards'. Below this is a navigation menu with links: ABOUT OSCI, DOWNLOADS, WORKING GROUPS, SYSTEMC COMMUNITY, NEWS & EVENTS, DISCUSSION FORUMS, and LOGIN. A search bar is located on the right side of the navigation menu. The main content area features a 'Welcome to the New SystemC Website' section with a paragraph of text. To the right of this is a 'FEATURED EVENT' box titled 'SystemC Tutorial and European SystemC Users Meeting (ESCUG)'. Below the welcome section is a 'GET INVOLVED IN OSCI' section with three columns of content: 'SystemC Community', 'OSCI News', and 'Login'. The 'SystemC Community' column includes links for 'About SystemC', 'Regional Users Groups and Resources', and 'Recent Happenings'. The 'OSCI News' column includes 'Recent OSCI Press Releases' with three news items. The 'Login' column includes 'Already Registered? Login!', 'Register for Access as an OSCI Member Employee', and 'Register for Access as a Community Participant'.

**SYSTEMC™**

OPEN SYSTEMC INITIATIVE  
Defining & Advancing SystemC Standards

ABOUT OSCI | DOWNLOADS | WORKING GROUPS | SYSTEMC COMMUNITY | NEWS & EVENTS | DISCUSSION FORUMS | LOGIN

SEARCH

## Welcome to the New SystemC Website

We are pleased to announce the newly designed and revamped SystemC.org website. The new site furthers our goal of making the worldwide SystemC community more vibrant, connected, and well informed. Adoption of SystemC continues to build momentum, as do our [regional user groups](#), [technical working groups](#) and [community](#) surrounding SystemC. We trust the new website will serve to strengthen the ties and further open the lines of communication between all members of the SystemC ecosystem. [Let us know](#) what you think about the site.

### FEATURED EVENT

#### SystemC Tutorial and European SystemC Users Meeting (ESCUG)

This tutorial and [ESCUG](#) will be held September 18 in Barcelona, Spain. Co-located with [FDL 2007 \(Forum on Specification and Design Languages\)](#).

### GET INVOLVED IN OSCI

#### SystemC Community

Find out the latest [About SystemC](#), [Regional Users Groups](#) and [Resources](#) in the SystemC Community.

#### Recent Happenings

- [SystemC Facts](#): Learn why SystemC is the language for System-Level Modeling, Design and Verification
- [SystemC Trends Report](#): Trends confirm adoption of SystemC is strong and continues to grow
- [Regional Users Groups](#): Users around the globe are adding members and actively promoting SystemC standards
- [Transaction-level Modeling](#): The Working Group is updating the initial TLM 2.0 draft based on feedback from [public review](#)

#### OSCI News

Get the latest [Member Press Releases](#), [SystemC Media Coverage](#) and [OSCI Press Releases](#) in our [News Room](#).

#### Recent OSCI Press Releases

- [Open SystemC Initiative Launches New SystemC Community Website](#)  
24 Aug 2007
- [SystemC and ESL in 2007: Everyone's Talking the Same Language](#)  
17 Apr 2007
- [Open SystemC Initiative Hosts Industry Lunch Panel, European Users Meeting at DATE](#)  
09 Apr 2007

#### Featured Quote

"Clearly we are seeing a surge in SystemC acceptance and usage since it became an international IEEE standard," said CoWare's Patrick Sheridan, OSCI executive director. "For large companies and individual users alike, SystemC is now a major and mainstream feature in electronic system level (ESL) design

#### Login

Access to some downloads and areas within SystemC.org are restricted. We encourage you to register and login.

- » [Already Registered? Login!](#)
- » [Register for Access as an OSCI Member Employee](#)

Employees of [Member Companies](#) gain access to discussion forums, downloads, working groups and committees.

- » [Register for Access as a Community Participant](#)

[Community Participants](#) gain access to discussion forums and publicly available downloads. This level of access is open to everyone.