

# Sinapse Print Simulators

Autumn 2014

## Copa Latina Print Productivity Contest has finals at Expo Print 2014

### The SENAI from Sao Paulo wins the final round of the SHOTS “Copa Latina »

Fernando Caparroz of the SENAI graphic arts school Theobaldo de Nigris won by a narrow margin. The close-fought final took place at Expoprint 2014 on the SENAI stand in late July. It took an hour of a very exciting, best of 5, match to choose the winner, with the suspense holding until the final match. The SENAI won 3 rounds, Grafica Biblos won two rounds; the SENAI was declared the winner. The Contest – and the Competitors

Exclusive to Latin America (including Central America and Mexico), the Copa Latina Print Productivity contest had 20+ participants, from 5 countries – printers and graphic schools were welcome to compete. The contestants came from Brazil, Mexico, Colombia, Peru... even from Santo Domingo. The productivity was measured using the Sinapse sheetfed simulator SHOTS –the same simulators used in Worldskills and national skills contests, and by printers and schools around the world.

#### How it worked

SHOTS was supplied to contestants free of charge during the contest. It let them compete both as teams (in the qualifying rounds) and then as individuals in the final rounds. Each team and contest could train on their own site, the results were stored and analyzed in the Sinapse cloud server, the DLMS.

Starting in early 2014, each team received a simulator and a set of exercises to do in within a few weeks- at their own speed. They could also use the simulator just for practice in problem solving.

Based on their results, 16 teams qualified for the final rounds.

In early April the 1/8 finals gave the 16 teams another set of problems to solve. They were evaluated based on their ability to understand the print problems, but also on their methodology and their overall production cost (all of which are traced by the DLMS). The 8 best teams went on to the 1/4finals.

The ¼ and ½ finals each had two problems to solve, with the same evaluation methods being used.

The finals were held “live” at Expoprint, the contestant had 5 different problems to solve – with a 10-minute limit for each problem.

#### The Sponsors

The Copa Latina emphasized good print practice, efficient production and correct use of quality control tools. Its sponsors include organizations who find this important.

This year’s contest included sponsors such as national print federations AGUDI (Peru), ABTG and ABIGRAF (Brazil) and the PIA (North America) and SUN Chemical (the world’s major ink supplier to the industry).

Of course it was also organized and sponsored by Sinapse (world leader in print simulators) and E-Tech simulation (who also work with training simulators and with Sinapse)

#### **SINAPSE Print Simulators**

Bât. Epicure – Les Algorithmes – Route de l’Orme aux Merisiers – 91194 SAINT AUBIN CEDEX - France

Tél. : +33 (0)1.69.35.54.00 - Fax : +33 (0)1.69.35.07.15 - e-mail : [info@sinapseprint.com](mailto:info@sinapseprint.com)

S.A.S. au capital de 400 300 Euros - RCS. EVRY B 432 377 604 – TVA Intra. FR 33 432 377 604 – Code NAF 5829C

[www.sinapseprint.com](http://www.sinapseprint.com)

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## The Competitors



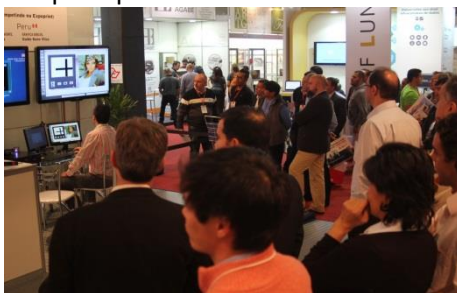
The two finalists : Fernando Caparroz, SENAI-Theobaldo de Nigris (Sao Paolo) on the left and Guido Vilca- Grafica Biblos,( Lima) on the right.

The two finalists were Guido Kuno Vilca –press operator at Grafica Biblos in Peru and Fernando Caparroz of the SENAI Theobaldo de Nigris graphic arts school in Sao Paolo.

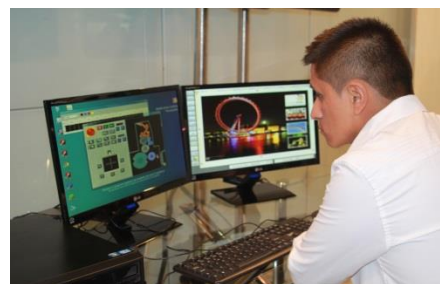
The SENAI team was already familiar with the SHOTS simulator as it and other Sinapse print simulators (flexo, gravure, ...) have been in use at the school for many years. The simulators are integrated into the overall teaching program. The SENAI team coordinator, Franco Emerson, says “our team took the contest very seriously and did a lot of training for it; they practiced problem solving on the existing exercises, and we even created new exercises for them to train on before they had to solve the contest exercises. Even so, as Fernando Caparroz said “ The finals were not simple, Sinapse had made hard problems to solve and I was competing against a printer with real experience – it was not easy, and that made it very satisfying.”

Guido Kuno Vilca, the Peruvian contestant, did not have the same level of support from an existing teaching program. He works on a KBA 5-color press and had never used a simulator before this contest. He says “I was nervous at the start, especially because I didn’t know what sort of problems we would have to solve. As the contest went on, I found the simulator easy to use and very similar to working on a press”. To get extra practice time, he even installed a simulator version at home.

Crisanto Povis – Guido’s production manager- said « this sort of problem solving by simulator lets my operators better identify print problems, and solve them more rapidly when they do come up. The operators’ understanding of press behavior is better, and they have a clearer approach to controlling the print process”



During the Final Round at Expoprint, the audience could “look over the shoulder” of the contestants. This shows Fernando working on a problem, with the spectators learning about simulator problem-solving



This close-up shows Guido, concentrating on his problem: the left screen shows the press controls, the right screen shows the print output.

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### The Final Rounds – Best of 5: winner of 3 is overall winner

*The contestants had a maximum of 10 minutes to solve the problem(s)*

1<sup>st</sup> round : Guido finished first under the time limit – in only 4 minutes!

2<sup>nd</sup> round: Fernando finished the exercise in the time limit, Guido only solved 2 of the 3 problems present – Fernando won the round.

3<sup>rd</sup> Round : Fernando solved the 1st of several problems and was working on the 2nd when time ran out. Guido was still working on the 1st problem so Fernando was the winner.

4<sup>th</sup> Round : Both competitors finished in time. Guido had a lower production cost and was the winner.

**The contest was tied at 2:2 – the one who won the next round would take 1<sup>st</sup> Place !**

5<sup>th</sup> Round: Fernando was the first to finish, and thus won the last round.

**Fernando won the contest 3-2 – Congratulations to both!**

### How the Contest was Scored

Copa Latina used the same criteria for the simulator scoring as the Worldskills competition ; The simulator records the time spent, the production cost, the waste copies produced, and also shows the methods used to solve the problem.

The overall analysis is done with the cloud-based DLMS (same as for Worldskills). In the DLMS it doesn't matter which language is used in the simulator session (ex. Spanish for Guido, Portuguese for Fernando), the comparison is possible.

The results can also be viewed in any language (English, Chinese, Russian, ...). This makes it possible to have local or international competitions and to analyze and display the results very quickly. The scores from the ¼ finals are shown below – as they were displayed on the contest web site by Sinapse.

#### **SINAPSE Print Simulators**

Ranking	Team	Country	Score	Result
1	SENAI ALAGOAS	BRAZIL	362	Qualified
2	SENAI Henrique D Avila Bertaso	BRAZIL	421	Qualified
3	SENAI Theobaldo de Nigris	BRAZIL	1219	Qualified
4	GRAFICA BIBLOS	PERU	2209	Qualified
5	PANAMERICANA	COLOMBIA	2851	Eliminated
6	SENAI MARACANA	BRAZIL	7076	Eliminated
7	SENA CALI	COLOMBIA	10374	Eliminated
8	SENAI CECOTEG BH	BRAZIL	N/A	Eliminated

N/A : exercise not solved

## When is the Next Contest ?

There will be a world-wide SHOTS productivity contest in 2015-2016 with the finals planned for the DRUPA trade show in Dusseldorf Germany.

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### More About the Expoprint Contest



The sponsors were present to encourage the contestants and to present the awards. Here we see Guido with Juan Carlos Huertas of SUN Chemical Peru and Fernando Caparroz.



From right to left : Thierry Mack of Sinapse, Guido, Manoel Mantega director of the SENAI Sao Paulo, host of the contest, and Fernando Caparroz.

For more information on simulators and upcoming contests:  
[celine.saint-martin@sinapseprint.com](mailto:celine.saint-martin@sinapseprint.com)

For more information on the SHOTS Copa Latina and participants ranking:  
<http://www.sinapseprint.com/SHOTS-Copa-Latina-2014-Ranking>

A few more pictures of the competitors working on their print problems – see the Sinapse site for more images.



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