

PACMAN Project:
3rd Supervisory Board:
Status of Outreach & Dissemination

Michele MODENA, CERN

PACMAN 3rd
Supervisory Board

23 September 2016
CERN



Main event
and actions on:

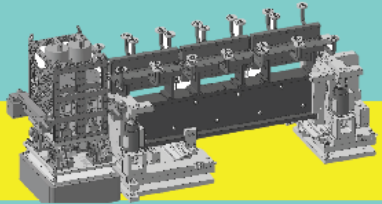
*Outreach &
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2ND PACMAN WORKSHOP

Debrecen, Hungary

Sunday 12th June to Wednesday 15th June 2016

This workshop will provide a unique opportunity to hear about the latest advances on metrology, characterization and alignment for the components to be installed in the next generation of particles accelerators.



Topics:

Metrology and Alignment
Magnetic measurements
Precision Mechanics and Nano-positioning
Microwave technology

For more information please visit:



Organized in Debrecen, HU
(with the contribution of National Instruments)

38 contributions.
More than 50 participants



<http://indico.cern.ch/event/458671/contributions/>

From 11th October 2015 / PACMAN appear on ETALON Website

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Etalon is PACMAN partner

Successful doctoral program at CERN

Together with renowned European research institutes and other manufacturers of innovative metrology Etalon is partner of the EU funded doctoral program PACMAN (Particle Accelerator Components Metrology and Alignment to the Nanometer scale). In this project young researchers from throughout Europe develop new metrology solutions for the next generation of particle accelerators. More information can be found at [PACMAN Website](#).

NEWS



CONTACT

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OUR CUSTOMERS

DMGMORI
Fanuc Europe (Luxemburg)
Fermat s.r.o (Czech Republic)
Fraunhofer Institut IPT Aachen

QUICKLINKS

[LaserTRACER](#)
[LaserTRACER-MT](#)
[Absolute Multiline Technology](#)
[Press](#)

PARTNERS



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9th - 11th November 2015 / **EPMC 2016**

Solomon William Kamugasa and Vasileios Vlachakis, has been invited to speak on their research subjects (FSI and Micro-triangulation) at the EPMC2016 Conference (European Portable Metrology Conference dedicated to portable and large volume 3D measurement technology).



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14th November 2015 / **Élargis tes horizons**

CERN took part for the fourth time in "*Élargis tes horizons*", a conference organised every two years at Geneva University for girls from the local region aged 11 to 14 aiming to encourage them to take up studies and careers in the scientific and technical domain.

Claude Sanz and Silvia Zorzetti participated in the outreach activity.



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19th November 2015 / <http://www.ciencicola.com/2015/11/viaje-al-centro-de-los-nuevos-aceleradores-de-particulas/> Natalia Galindo has been interviewed for the blog Ciencicola, where PACMAN project is broadcast to all kind of public.

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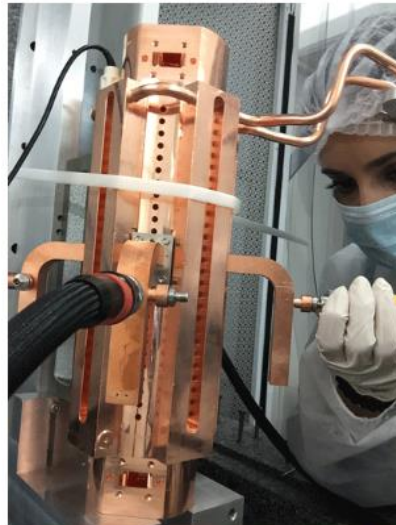
ACTUALIDAD » CIENCIA & MUJERES CIENCIA DESDE EL EXILIO ¿CIENCIA FICCIÓN?

Home » Ciencia & mujeres »

Viaje al centro de los nuevos aceleradores de partículas

19 noviembre, 2015 | CIENCIA & MUJERES

El descubrimiento del **Bosón de Higgs**, esa partícula que está protagonizando los descubrimientos actuales de la Física, ha estado unido al **Gran Colisionador de Hadrones (LHC)** del CERN. Fue construido con el objetivo principal de **probar la existencia del Higgs y medir sus propiedades**, lo que permitiría confirmar la validez del Modelo Estándar dentro del paradigma actual de la física de partículas.



La ingeniera de telecomunicaciones gaditana Natalia Galindo trabaja en CLIC, un colisionador de partículas que está en fase de diseño en el CERN

Ciencicola en Twitter

¿Cerveza libre de #gluten?
<https://t.co/F52tQidUI>
#DiaDeLaCerveza
<https://t.co/K5S3qmWXAO>, Aug 05

Los sensores de los coches informan del estado de la carretera
<https://t.co/UqobCOetHJ>
@agencia_sinc
<https://t.co/aWMytyrEIM>, Apr 05

#tambiennoticia 'Bombardear' células cancerosas desde la Meca de la Física
<https://t.co/GH1W0F5z7I>
@MujerPrensaSVQ
#DiaInternacionalMujer, Mar 08

Las universitarias de hoy ¿catedráticas mañana?
<https://t.co/zzD0u4Bmt6>
#8marzo #8M #DiaInternacionalMujer
<https://t.co/dohBL1rh2V>, Mar 08

Ciencicola

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Enlaces

Quiénes somos

Buscar

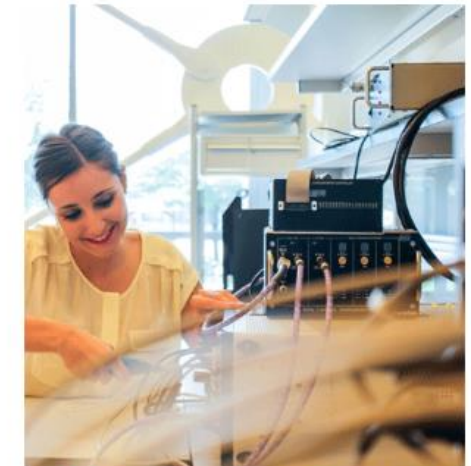
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Categorías

Actualidad

Sin embargo, los responsables del CERN trabajan ya en el relevo: un **colisionador lineal compacto (CLIC)** de cincuenta kilómetros de longitud. Se trata de un nuevo acelerador que alcanzará energías sin precedentes para los electrones y sus gemelos de antimateria, los positrones, para hacerlos colisionar y **producir una gama de nuevas partículas**. El estudio de estas colisiones **proporcionaría una información mas detallada y complementaria** a los futuros resultados hallados en el LHC, el cual esta explorando regiones de alta energía en busca de nuevos descubrimientos.

Una andaluza está implicada en este nuevo proyecto. **Natalia Galindo** es de Puerto Real (Cádiz) y es la **única española de un programa de doctorado innovador organizado por el CERN** y que cuenta con el apoyo de la Comisión Europea, **PACMAN**. El objetivo de esta iniciativa es **el desarrollo de un banco de pruebas de última tecnología**, que se aplicará en futuras instalaciones de "la Meca de la Física". Ella no es física, sino ingeniera de telecomunicaciones experta en radiofrecuencia. **Su tarea es buscar de forma ultra precisa el centro electromagnético de las estructuras** donde se lleva a cabo el proceso de aceleración de las partículas, algo **esencial para el correcto funcionamiento en un colisionador**. "Estamos desarrollando un método para alinear con una precisión micrométrica todos los componentes necesarios para construir un acelerador de aproximadamente cincuenta metros de longitud", explica Natalia.



Natalia Galindo es de Puerto Real (Cádiz) y es la única española de un programa de doctorado innovador denominado PACMAN

¿Por qué es tan importante buscar el centro? Para que el haz de partículas sea estable, debe pasar de la forma mas cercana posible por el **centro electromagnético** de las estructuras aceleradoras. Natalia recurre a un símil para explicar la importancia de esta tarea: "Si pensamos en un surfero que va

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21st December 2015 / Presentation at the school "La Salle Buen Consejo", Puerto Real, Spain

Natalia Galindo went back to her High School and presented CERN, PACMAN Marie-Curie Project and the Scientific Research profession.



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22nd March 2016 / **Presentations at the Lycée St-Exupéry in Bellegarde**

Peter Novotny, Vasileios Vlachakis, Solomon William

Kamugasa spent a full day at the Lycée presenting their PACMAN Marie-Curie experience and more in general the "Researcher" profession.

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30th March 2016 / **CERN Marie Curie Fellow meets Italian Prime Minister at FermiLab**

Giordana Severino met the Italian Prime Minister, Matteo Renzi, during his visit at FermiLab.



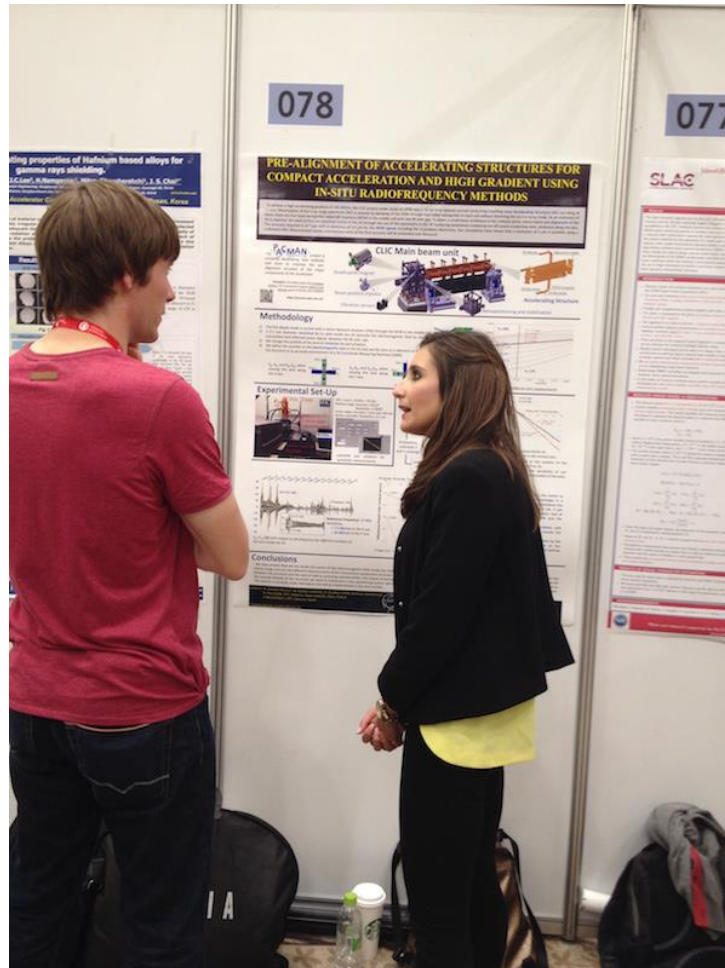
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8th -13th May 2016 / IPAC 2016

Natalia Galindo Munoz, and the coordinator of the project, Hélène Mainaud Durand, have participated in the IPAC conference held in Busan, Korea.



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10th May 2016/ **CERN and PACMAN meet EcoInt**

The CERN Diversity Group and PACMAN (Silvia Zorzetti) welcomed three girls from the International School of Geneva to support them in their school project on female stereotypes in the workforce.



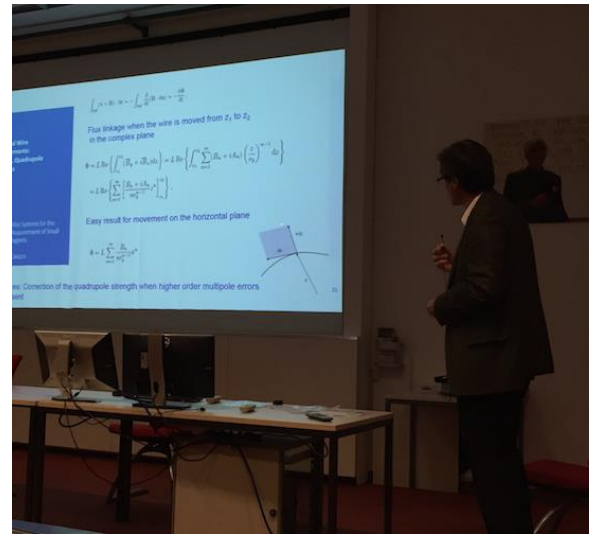
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20th May 2016 / World Metrology Day

World Metrology Day (on the anniversary of the signature of the Metre Convention on 20 May 1875. This year subject was 'Measurements in a Dynamic World'. On that occasion 2016, PACMAN organized an A&T Sector seminar at CERN, with talks by the coordinator of project, Dr. H el ene Mainaud Durand, and by the Work Packages leaders – Michele Modena, Prof. Stephan Russenschuck and Manfred Wendt – who presented the project and gave account of the results achieved by the ESRs during their training.

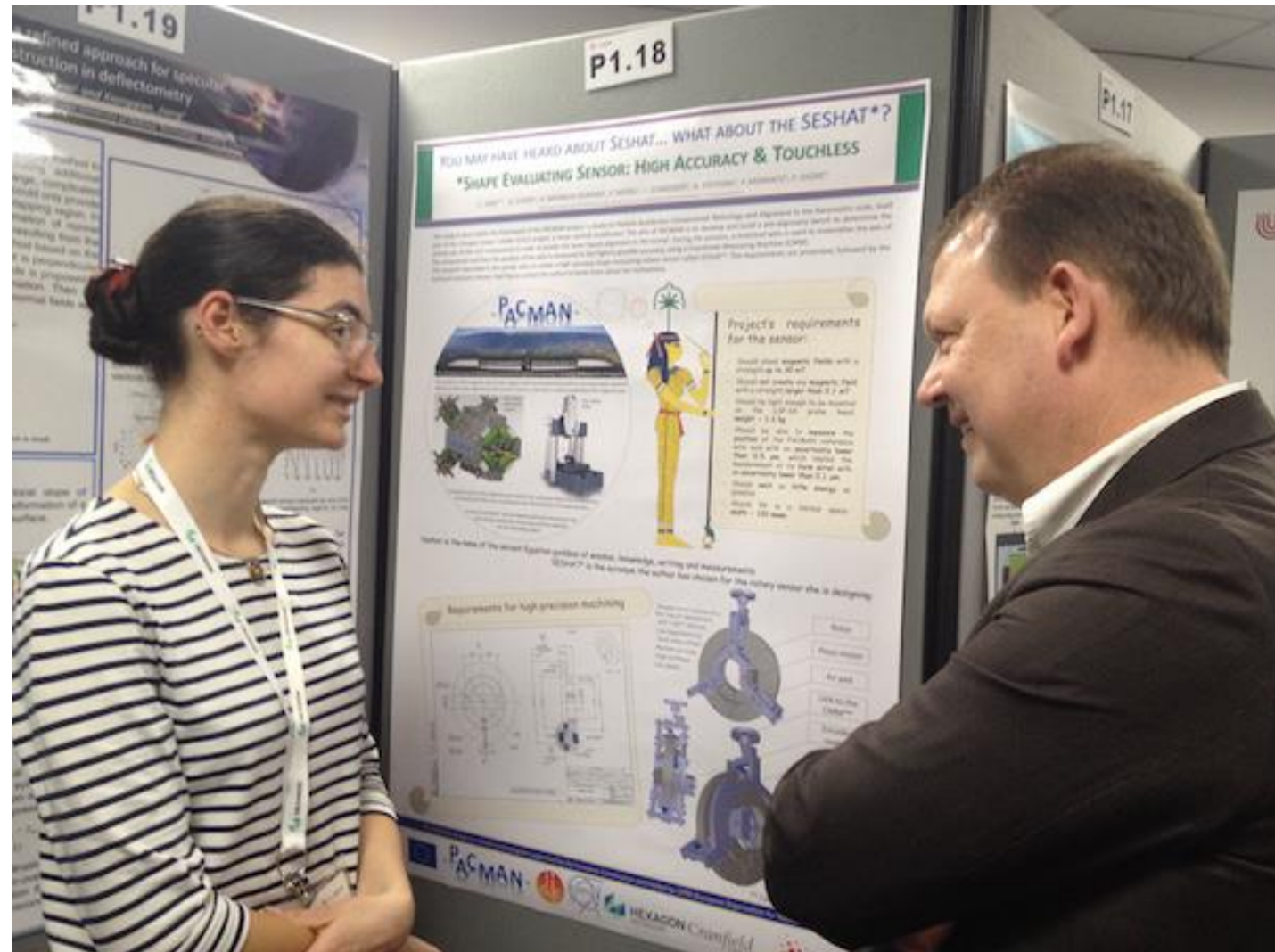


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30th May - 3rd June 2016/ [EUSPEN 2016](#)

Claude Sanz, and the coordinator of the project, Hélène Mainaud Durand, have participated in the EUSPEN conference held in Nottingham, UK.



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22nd June 2016 / CERN Marie Curie Fellow meets at CERN the Bulgarian Ministry of Education

Iordan Doytchinov, met Meglena Kuneva, Bulgarian Deputy Prime Minister for European Affairs and Ministry for Education and Science, during her visit at CERN.



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9th July 2016/ **Nuit de la Science 2016**

Claude Sanz and the coordinator of the PACMAN project, Hélène Mainaud Durand, presented the mini-conference "Un fil pour aligner au micron", within the Nuit de la Science event which took place at the Perl du Lac parkin Geneva.



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UPCOMING EVENTS:

10th November 2016/ PACMAN and CERN meet the [HES-SO](#)

The screenshot shows the HES-SO website. The header includes the logo and name of the institution: **Hes-so** Haute Ecole Spécialisée de Suisse occidentale, Fachhochschule Westschweiz, University of Applied Sciences and Arts Western Switzerland. Navigation links include Formation, Domaines, Enseigner, Ra&D, International, and HES-SO en bref.

The main content area is titled 'QUI SOMMES-NOUS' and includes the following text:

Créée en 1998, la HES-SO Haute école spécialisée de Suisse occidentale est devenue un large réservoir de compétences, d'idées, d'innovations, de créativité et de savoirs.

La HES-SO est reconnue par la Confédération et membre de swissuniversities. Avec ses 28 hautes écoles, elle joue un rôle important dans le développement socio-économique et culturel dans les sept cantons de la Suisse occidentale et se positionne comme une actrice reconnue du paysage suisse et international de l'enseignement supérieur.

Forte de près de 20'000 étudiantes et étudiants, la HES-SO est la première HES de Suisse. Ses différentes filières d'étude et ses recherches se déclinent en six domaines qui sont Design et Arts visuels, Economie et Services, Ingénierie et Architecture, Musique et Arts de la scène, Santé et Travail social.

On the right side of the page, there is an agenda section for September 20th and 21st:

- 20 SEP**: ATELIER REGARD : "QUESTION DE REGARD?..."
- 21 SEP**: BROWN BAG SNACK IG - GAMIFIEZ VOS...

A link for 'AGENDA COMPLET' is also visible.

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