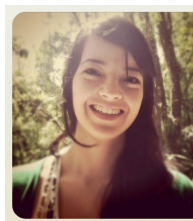






## PERSONAL INFORMATION



## Yensy Helena Gomez Villegas

-  Pereira (Colombia)
-  [yensy@sirius.utp.edu.co](mailto:yensy@sirius.utp.edu.co)
-  [sirius.utp.edu.co/sirius](http://sirius.utp.edu.co/sirius)
-  Skype yensy.gomez.villegas

Sex Female | Nationality Colombian

## WORK EXPERIENCE

04 September 2009 – Present

**Research Assistant**

Sirius Lab., Pereira (Colombia)

12 October 2012 – 12 January  
2013

**Advisory Engineer**

Universidad Tecnologica de Pereira, Pereira (Colombia)

advisory to apply standard Tia 606A

10 October 2010 – 08 November  
2011

**Advisory Engineer**

Soluintech, Pereira (Colombia)

Support traffic controllers

15 March 2013 – Present

**Young Researcher**

Universidad Tecnologica de Pereira, Pereira (Colombia)

Acceleration of semi Lagrangian method to study the behavior of plasma particles through laser ablation.

20 February 2008 – 08 May 2009

**Mathematics Assistant**

Mathematics Department UTP

## EDUCATION AND TRAINING

2007 – 2012

**BSc in Computer Science and Systems Eng**

Universidad Tecnologica de Pereira, Pereira (Colombia)

2012 – Present

**Specialization in Digital Electronics**

Universidad Tecnologica de Pereira, Pereira (Colombia)

2011 – 2011

**Diploma Course Project Management**

Universidad Tecnologica de Pereira, Pereira (Colombia)

## PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B1	B1	B1
Portuguese	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

**Communication skills** I've been working on Sirius Lab for over two years, participating in many projects with different people in both, academic and professional environments. During this time, I have shown my ability to communicate positively respecting the different point of view of people, showing that I have great capacity to work together.

[Related document\(s\):](#)

**Organisational / managerial skills** I am a very responsible, proactive I have good capacity to the logistics and organization.

[Related document\(s\):](#)

**Computer skills** I have knowledge in:  
 Programming Languages: C#, C/C++. Matlab, Python.  
 OpenCL Computing Parallel  
 Data Base Postgres  
 Hardware Description Language: VHDL.

## ADDITIONAL INFORMATION

**Publications** "Comparación del tiempo de ejecución de un algoritmo sobre una unidad de procesamiento gráfico (GPU) y sobre una unidad de procesamiento central (CPU)". En: ColombiaScientia Et Technica/ISSN:0122-1701ed:Universidad Tecnológica de Pereira v.47fasc.n/a p.281 - 284 ,2011  
 Simulation of plume-plasma expansion with one-dimensional Particle-in-CellThis article has been downloaded from IOPscience. Please scroll down to see the full text article.2012 J. Phys.: Conf. Ser. 370 012033(<http://iopscience.iop.org/1742-6596/370/1/012033>)

**Events**    LAWPP 2011, Latin America Workshop on Plasma Physics  
<http://www.lawpp2011.org.ar/>

**References**    MSc. Jose Alfredo Jaramillo Villegas  
Director Sirius Lab at Universidad Tecnológica de Pereira,  
PhD Student at Purdue Universityjjv@purdue.edu, jj@sirius.utp.edu.co  
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Msc. Mathematics Julio Vargas  
Universidad Tecnologica de Pereira  
Jvargas@utp.edu.co