

OpenCV Installation for Codeblocks **For Windows Systems 32 and 64 bits**

"OpenCV from the base to the excellence"

-Felipe.

Author:

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Thanks:

Felipe Vieira de Moraes:

For continuous research and share with all mates.

CodeBlocks.org, OpenCv and

all Open Source developers:

For develop new software and share the knowledge.

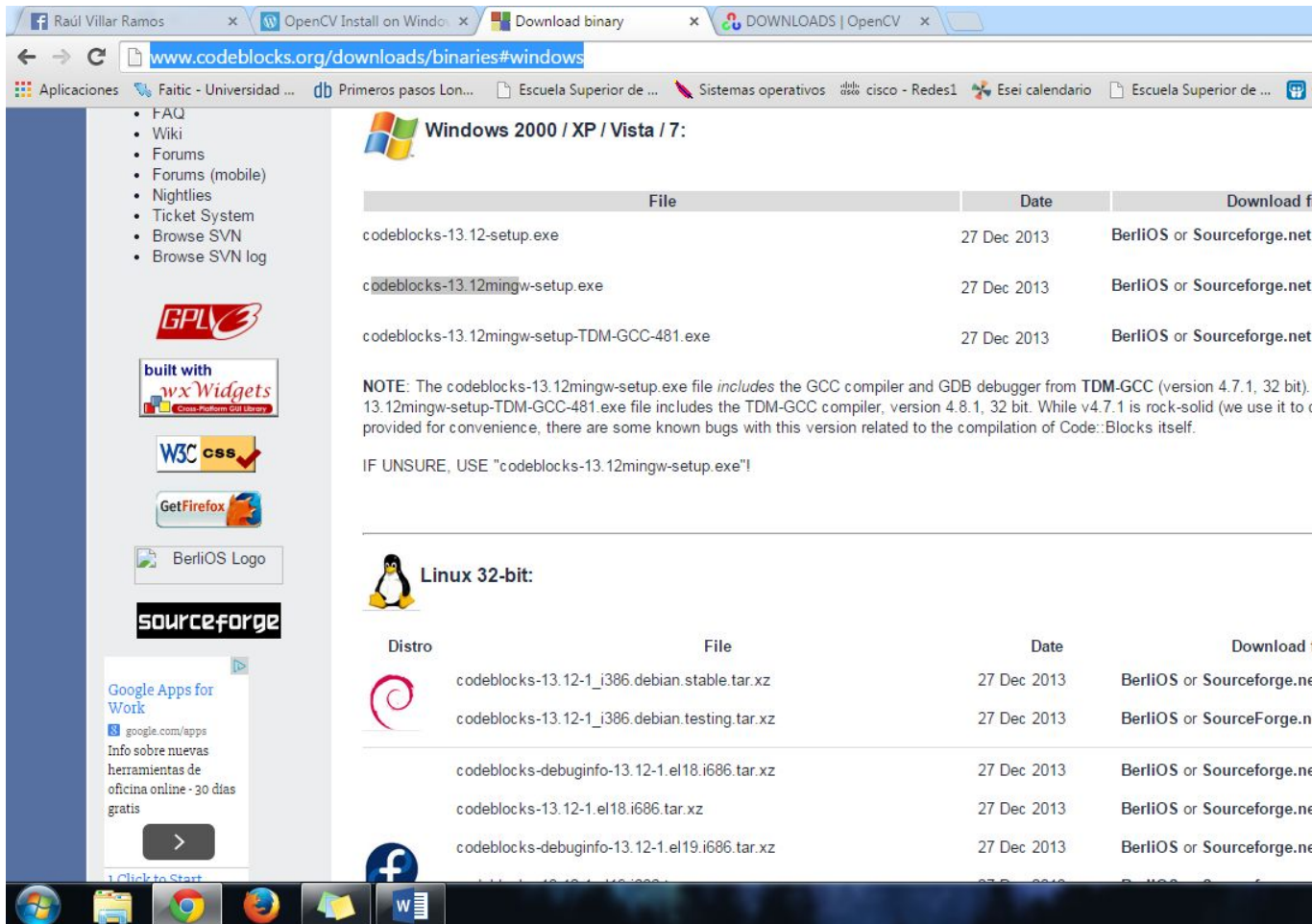
Hello everyone, I decided to make and share this installation tutorial for the ESEI (High computer science school)Parallel Architectures subject, is for 64 bit systems because is not very clear how to prepare the system and we end up using virtual machines. We do not always have good hardware and we go slower, and it is also more comfortable to work in the main system itself.

1 Step : Download CodeBlocks with compiler this wwill save us a lot of time and some headache.

URL: <http://www.codeblocks.org/downloads/binaries#windows>

Chose 2º Opción for use openCV.

I get it from sourceforge because BerliOS link was broken.

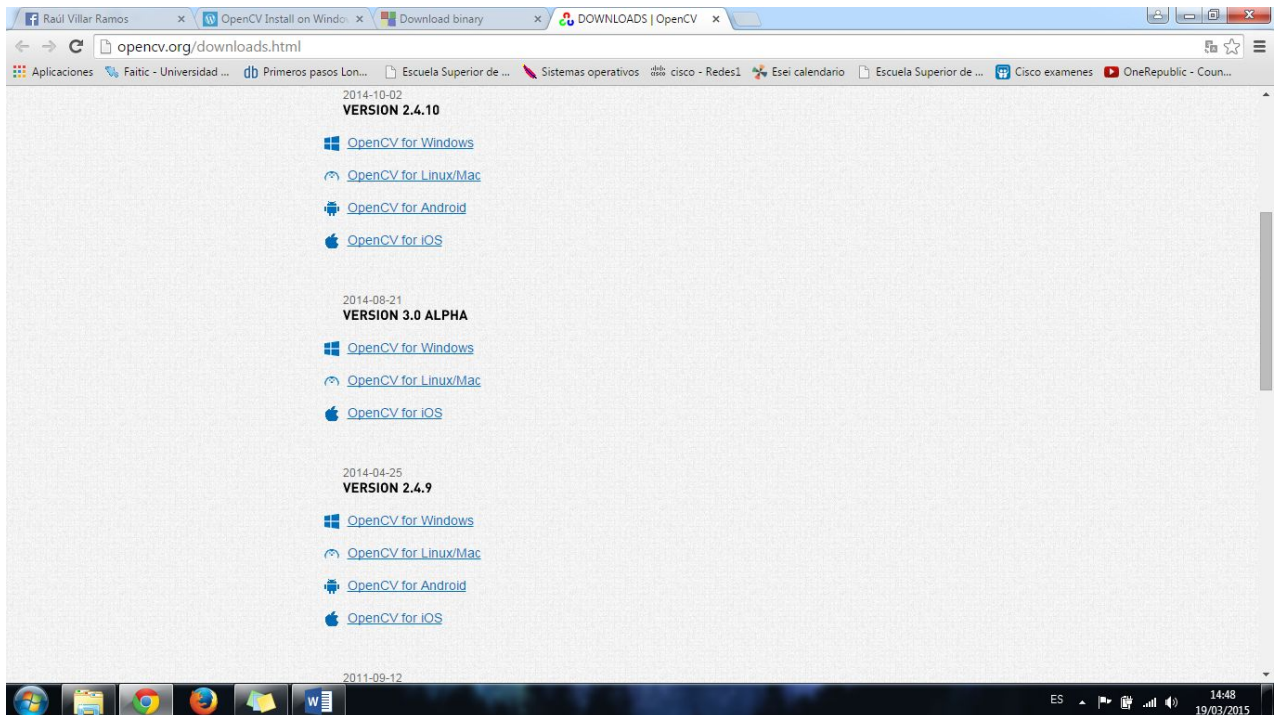


Install codeblocks, (next next... easy steps) :)

2 step:

URL: <http://opencv.org/downloads.html>

Chose v2.4.9 for Windows (in my situation), supports Video too and this will be ussefull.



Download and extracts this will be about 3,75 GiB

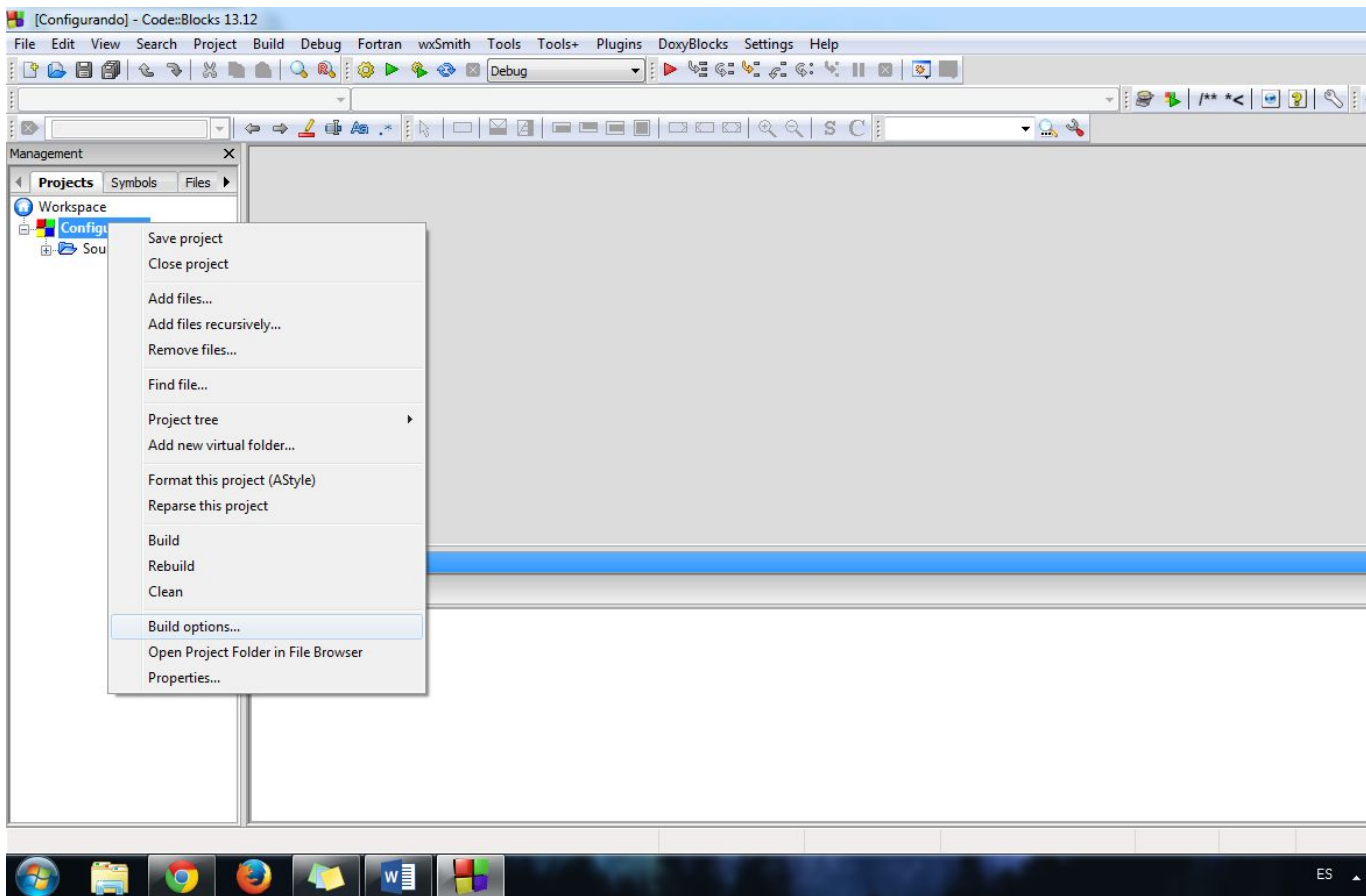
I put it in C:\ just for comfort and easy location.

Configuration time:

Init codeBlocks, new project C, console application, name and location for save...

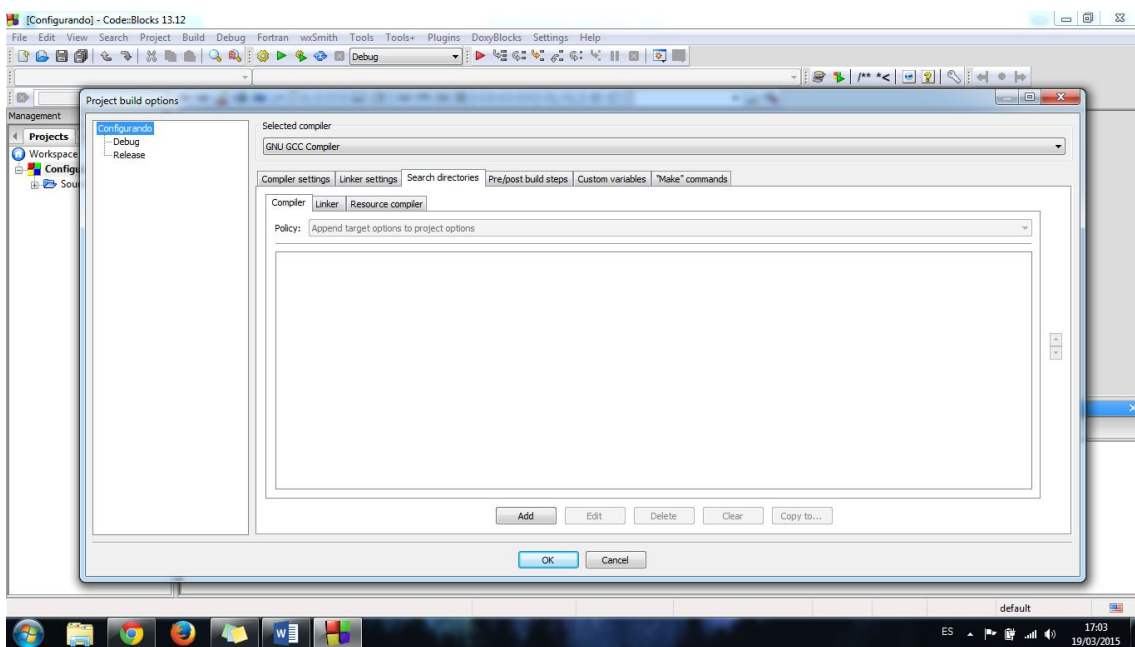
After generation, right click in project name and go **build options**.

I show some pictures for help:

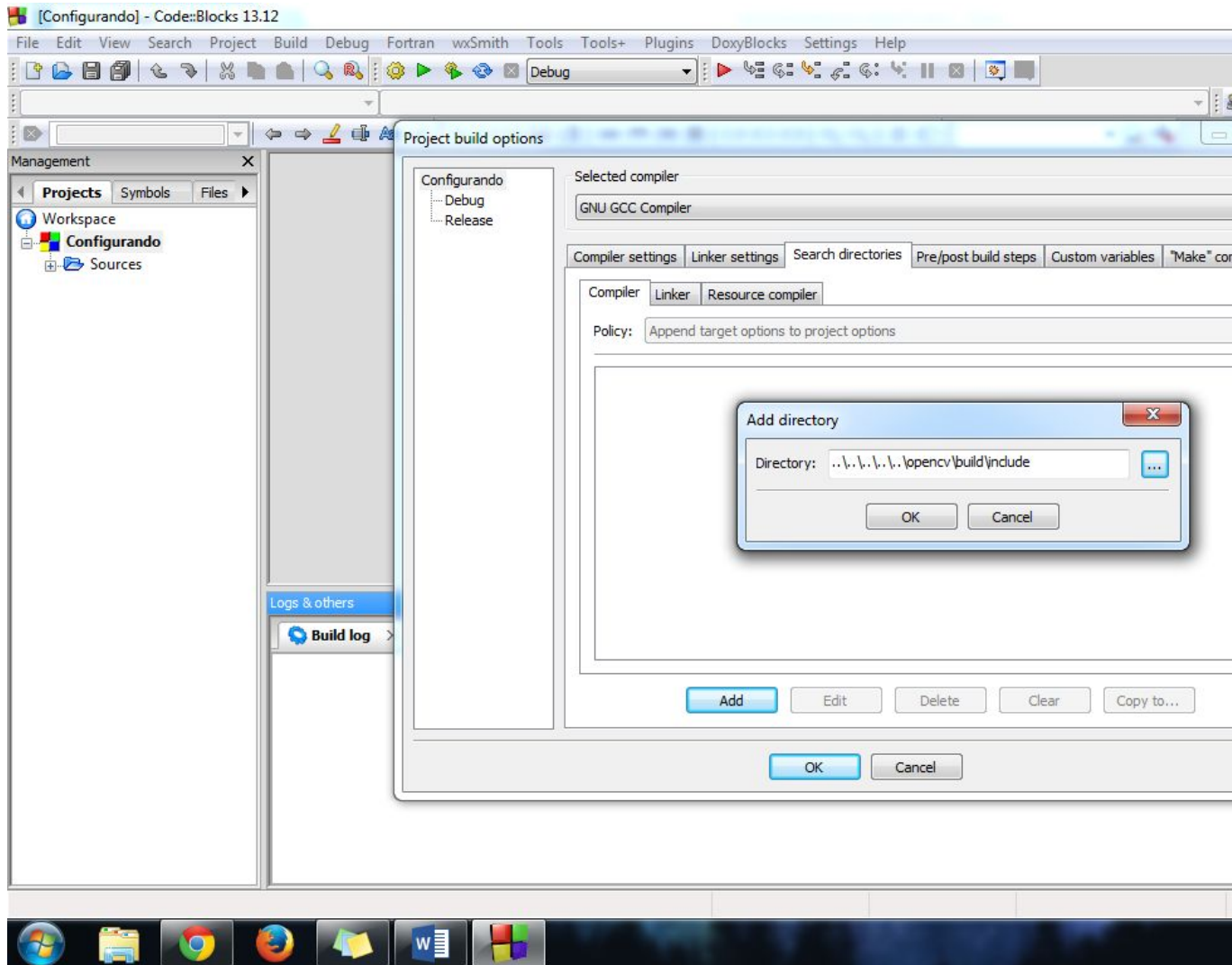


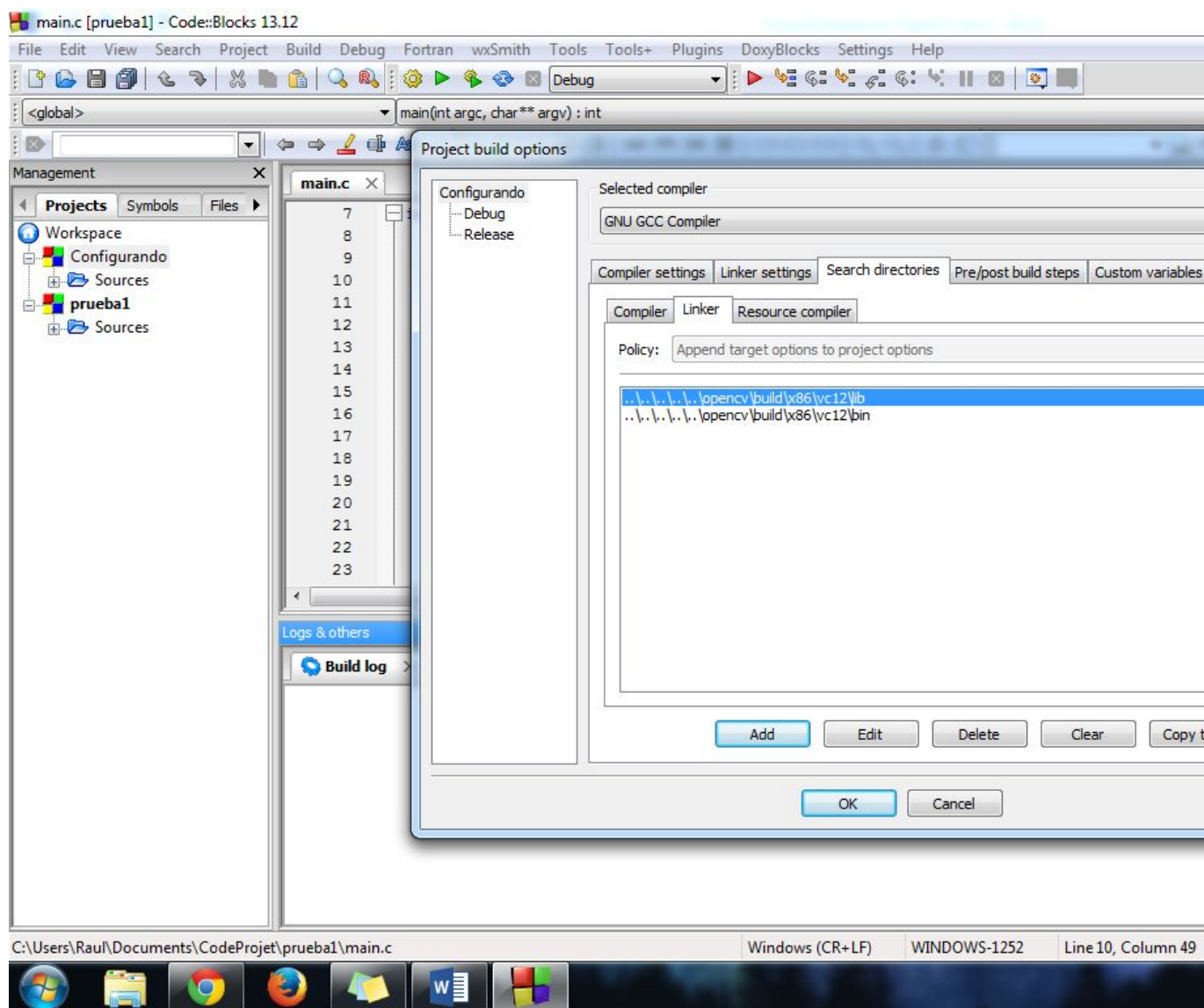
Very important: As default debug will be the option, take a look in the blue text, you need to click in the project name, no debug.

Now go Search directories, remember must be selected the project name no Debug or the code..**no compile**...



c:\opencv\build\include

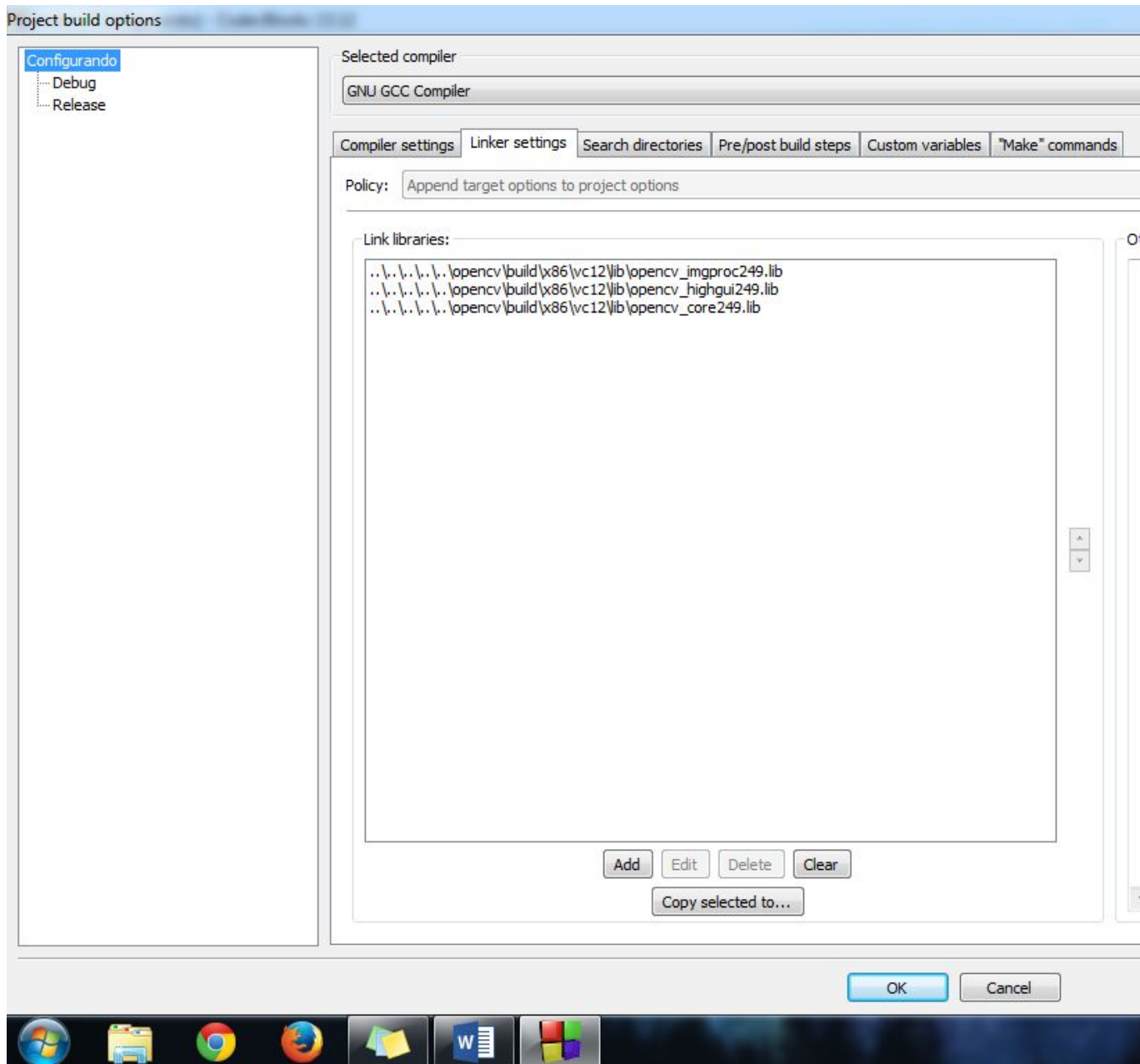




On now in **Linker Settings** Tab add the libraries for the project, the most basics in my case and for the AP subject are:

Open... Core.lib, highgui.lib y imgproc.lib

Looks like this:



Ok now is time for a test, if you follow the tutorial this will be work.

In my situation i just use this small code, just open a image i put it in project folder, (is more comfortable almost for me), you can get the image from this folder, i will put it near to this document and you can test fast your openCV config and start work.

The code and image will be in a txt file close to this, the image is the ESEI logo.

Greetings for all and i hope this tutorial will be usefull.

