En partenariat avec la Faculté des Sciences et Technique de Tanger et la Faculté des Sciences de Tetouan, la Fondation Arabe des Sciences et Technologie et INTEL organisent un WORKSHOP sous le thème :

"Multi-core Programming for Academia 3.0"

Locations	Faculty of Sciences and Techniques Computer Engineering Department Tangier, Morocco	Faculty of Sciences Tetouan Morocco
Dates:	7th July – 9st July 2010	12th July – 14th July 2010
Operating System:	Microsoft Windows[1]	
Audience:	University professors and teaching assistants teaching or planning to teach parallel programming on multi-core and multi-processor systems	
Price:	Free of charge (**seats are limited**)	
Course Description:	This three-day instructor-lead training course presents several modules exemplifying lessons relevant to the undergraduate curricula, including hands-on lab exercises that utilize the latest Intel® Parallel Studio suite of threading tools.	

Course Content:

- ✓ **OpenMP 3.0**[1]: During this hands-on module an experienced C/C++ programmer learns how to get started using OpenMP* directives to parallelise common functions and loops, thereby simplifying the introduction of threads into applications.
- ✓ **Thread Correctness and Thread Performance:** These lessons combine to focus on correcting threading errors and tuning threaded code for performance. Lab exercises will utilize the Intel® Parallel Inspector and the Intel® Parallel Amplifier tools to exemplify the lessons.
- ✓ **Threaded Programming Methodology:** In this module, participants will focus on how to apply the lessons learned to effectively thread a simple application that computes prime numbers. This case study focuses on a typical software development cycle including analysis, design/implementation, debugging, and performance tuning.

The following prerequisites will enable you to fully benefit from participation in the lab exercises:

- ✓ **Experience programming in C and C++.**
- ✓ **Familiarity with Microsoft* Visual Studio.**

[1] Third-party brands and names are the property of their respective owners.

Regarding the software and hardware required for the workshop, please find below the requirements questions or technical issues:

1- **About the machines (PCs or Laptops), they should be :**
   - ✓ Intel processor Core 2 Duo or higher
   - ✓ Windows XP SP2 or higher (VISTA and Windows 7 are acceptable too)

2- **And we need this list of software to be installed :**
   - ✓ Microsoft Office 2003 or higher (Win Word and Power Point)
   - ✓ Microsoft Visual Studio 2008 (**DOWNLOAD**, 90-days trial version)
   - ✓ Adobe Acrobat Reader
   - ✓ Intel Parallel Studio from (**DOWNLOAD**, just a simple form to download a 30-days trial version)

Organizing committee

- ✓ **M. Ahachad** Profesor at the Faculty of Sciences and Techniques, Tangier
- ✓ **M. Essaâidi**, Prof at the Faculty of sciences, Tetuan
- ✓ **C. EL AMRANI**, Prof at the Faculty of sciences and Techniques, Tangier
- ✓ **M. BOUHORMA**, Prof at the Faculty of sciences Techniques, Tangier
- ✓ **H. Bouzidi**, Intel Programs Manager /Education, MTDS
- ✓ **A. Wagueeh**, Academia Program Manager, Arab Region (ELN, Saudi & GCC)

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Pour la l'inscription contactez
(Nombre de place limité à 20)

Workshop de Tanger
Prof M. Ahchad FST de Tanger
Email : ahachad@astf.net
GSM :06 62 27 24 83

Workshop de Tétouan
Prof M. Essaidi FS de Tetouan
Email : essaaidi@ieee.org
GSM :06 61 72 59 92