USTH MM2.1
Soft. Eng. for Interactive Media

Lecture #1 – General Introduction

Introduction from Toulouse

- Course instructor
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- Before sending any email, please add a label [USTH16] systematically in the subject field
- If you have any problem
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- Skype ID: vcharvillat

TOULOUSE
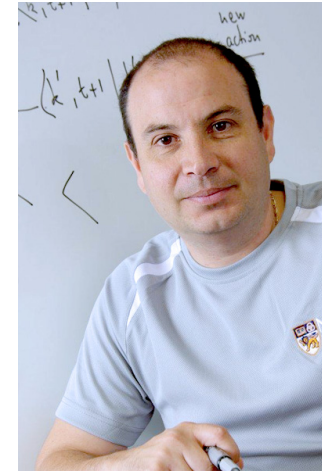
◆ Capital of the **Midi-Pyrénées region**

◆ **2nd French academic city** : > **100 000 students in universities and higher education institutions**
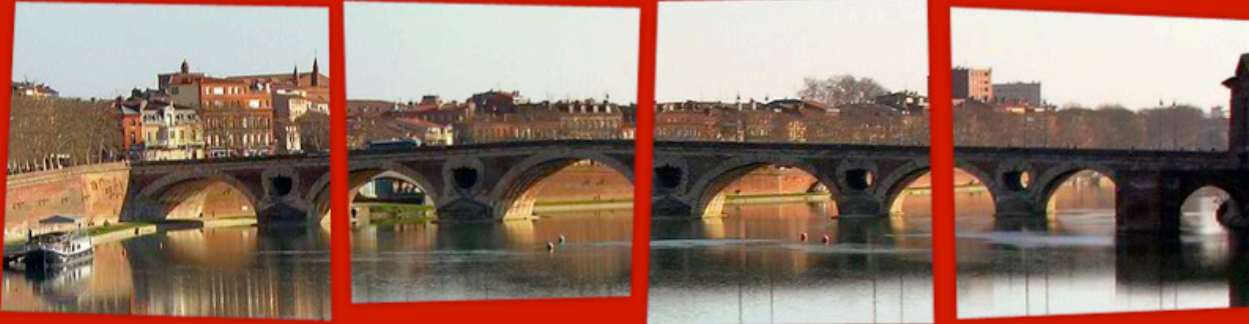

◆ 3 competitive areas with international reputation:

- **Aeronautics, space**
- **Cancer and health**
- **Agrofood chain**

Université de Toulouse

Pôle de recherche et d'enseignement supérieur

Total number of Students : 90 000
Foreign students : 14 000
Research Units: 165
PhDs awarded per year: 795
Staff : 13 100
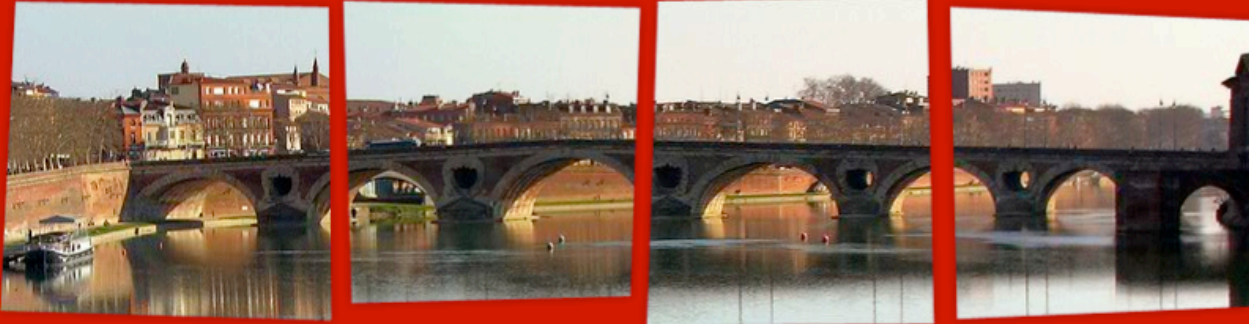   Lecturers-researchers: 7 800
    Administrative and technical: 5 300

Université
de Toulouse

www.univ-toulouse.fr

UNIVERSITÉ TOULOUSE 1 CAPITOLE

UNIVERSITE DE TOULOUSE LE MIRAIL

Université Paul Sabatier
TOULOUSE III

INP TOULOUSE

Université de Toulouse
Pôle de recherche et d'enseignement supérieur

INP TOULOUSE

The INP Toulouse offers **ENGINEERING courses** in various departments leading to a **French engineering degree** *(also fulfils the requirements for a Master's degree)* accredited by the French Ministry of Education through the **"*Commission des Titres d'Ingénieur*"**.

- **Agro management**
- **Plant biosciences**
- **Environmental sciences**
- **Animal sciences**
- **Food sciences**

INP ENSAT

- **Electrical and control engineering**
- **Electronics and signal processing**
- **Computer sciences and applied mathematics**
- **Hydraulics and fluid mechanics**
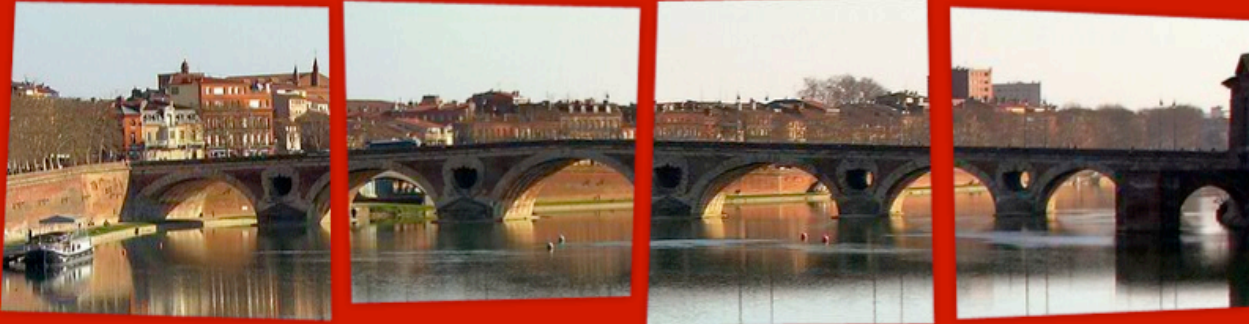- **Telecommunications and networks**

INP ENSEEIHT

- **Chemistry**
- **Material engineering**
- **Chemical engineering**
- **Process engineering**
- **Industrial engineering**

INP ENSIACET

Université de Toulouse

Pôle de recherche et d'enseignement supérieur

iRiT
CNRS - INPT - UPS - UT1 - UTM

VORTEX

Sylvie CHAMBON (N7)
Registration & Segmentation

Vincent CHARVILLAT (N7)
Video Processing

Jean-Denis DUROU (UPS)
Shape from X

Pierre GURDJOS (CNRS)
Structure from Motion

Géraldine MORIN (N7)
3D Modeling

Simone GASPARINI (N7)
Mobile Visual Proc.

Axel CARLIER (N7)
Multimedia

VORTEX, a research team within ENSEEIHT (7 faculty, 20 members)
Visual Object from Reality To EXpression

Introduction from you guys

- ***Viet ***
- Nickname
- ***@gmail.com

- ***Thi***

- ***@yyy.edu.vn

Students

Name
Picture
Brief bio
A personal bit

Course goals

- To introduce up-to-date definition and examples related to interactive media

- To provide up-to-date, hands-on knowledge of interactive media

- To allow students to experiment with a selected set of contemporary tools and build small web-based interactive media

Philosophy of this course

- Emphasis on *concepts*, in the context of the latest technologies: HTML5 multimedia extensions and JavaScript

- Key ideas:

  - Distinguish *design* from *development*

  - Appreciate *good design* (by looking at bad design)

  - Understand the *concepts*

  - Master a selected subset of *technologies*

- Focus on web-based interactive media design using web tools and APIs whenever needed.

Logistics

- Administrivia
  - Lectures and tutorial labs: 5 days/afternoon

    From Monday Nov 7th to Friday Nov 11th 2016 (we'll discuss about Saturday)

    Expected work load at home (1 hour)

  - Individual Practical Effort
    - From Saturday Nov 12th to Monday Nov 28th midnight
    - Office Hours from Toulouse
    - Report and code are due before Monday Nov 28th midnight
    - Please send an archive (.zip please) by email or provide me with a link

  - Grading:
    - Final Exam (50%)
    - Report and code (50%) from

      Individual Project – HTML5/Jscript Programming assignment (P1): 25%

      Participation during labs (P2): 25%

Very important point!

- Final Exam
- Semi-open book
- One doubled-sided A4 paper sheet allowed

One recto

One Verso

Logistics

- Course web site

- The slides are available on-line
  - Slides are not notes
  - You're expected to take notes during lecture

- Some readings are required
  - You're expected to read the assigned readings
  - You're expected to take notes while reading

Warnings

- "No mercy" policy against plagiarism
  - This includes your programming assignments
  - Very easy to look at other people code and try to make it your own BUT Very easy to detect copy or near duplicate !
  - Programming assignments are easy enough. Do not copy from others !

- Please respect the naming conventions
  - e.g. Firstname.tar or function name for automated test

- No late policy
  - it's your responsibility check announcements in lectures or web pages.

Any question at this point

?

Let's get started!