



# INDUCTION WEEK 2017

## 4-9 September



### Contact Information :

#### Academic Coordinators :

Pierre MARET ([pierre.maret@univ-st-etienne.fr](mailto:pierre.maret@univ-st-etienne.fr))

Gauthier Picard ([gauthier.picard@emse.fr](mailto:gauthier.picard@emse.fr))

#### Administrative Officer :

Amélie GENVRIN ([amelie.genvrin@univ-st-etienne.fr](mailto:amelie.genvrin@univ-st-etienne.fr))

**Emergency hotline** : +33 477 915 730 (available from August 28<sup>th</sup> to September 3<sup>rd</sup> 2017)

## Arrival in Saint-Etienne :

All students are required to arrive on **September 3<sup>rd</sup> 2017 the latest.**

## Monday 4<sup>th</sup> of September :

**Location:** Campus Manufacture, 18 rue du Professeur Benoit Lauras, 42000 Saint-Etienne (tram station: Cité du Design)



**9:00 – 12:00:** Visit of the Manufacture Campus, Groups photos, General Introduction of University Jean Monnet and the Faculty of Science

**12:00 – 13:00:** Lunch at RestauU cafeteria (offered)

**13:00 – 13:30: [Room D03]** Introduction of Faculty of Sciences and Technologies (FST) & UJM Intranet (ENT)

**13:30 – 13:45: [Room D03]** Brief presentation of Research Activities at Laboratoire Hubert Curien

**13:45 – 15:00: [Room D03]** Introduction to administrative processes and scholarship programmes – signatures of student learning agreements – Amélie Genvrin (CPS2 administrative officer)

## Tuesday 5<sup>th</sup> of September :

**Location :** Campus Manufacture, 18 rue du Professeur Benoit Lauras, 42000 Saint-Etienne (tram station: Cité du Design)

**9:00 – 10:00: [Room J020]** “Computer vision and machine learning at Naver Labs Europe”. NAVER LABS is an ambient intelligence company that develops future technologies including autonomous driving, robotics and artificial intelligence. Since its establishment as NAVER’s R&D division in 2013, it has led NAVER’s innovation in technology through products such as “Papago”, AI-based translation app, Whale, the omni-tasking web browser, and M1, the 3D indoor mapping robot. The primary areas of research at NAVER LABS Europe are computer vision, natural language processing and machine learning. In this talk, I will present some concrete applications of the research conducted in the computer vision group and in the rest of the lab.

**10:00 – 11:00 : [Room J020]** Worldline

**11:00 – 12:00 : [Room J020]** “Large Scale Machine Learning for Display Advertising at Criteo”. At Criteo, a tech company specialized in targeted online advertising, machine learning lies at the core of the business. It is used to decide when to show an ad, how to personalize brands and products to be shown in the banners, etc. We will discuss the main concepts of display advertising such as real-time bidding, product recommendation, online and offline model evaluation. ML applications at Criteo are all facing very strong industrial constraints : prediction latency, very large scale in terms of both samples and dimensions (we process 3B requests per day). We will also discuss the impact on the choice of the models we use and on the infrastructures. Finally, we will cover the next scientific challenges we face and provide links to open datasets released by Criteo.

**13:00 – 16:00 : [Room B08]** Introduction of Master CPS2 + Introduction of Research Activities by Pierre Maret & Gauthier Picard (Academic Coordinators)

**18:30:** Cocktail at the Town Hall

## Wednesday 6<sup>th</sup> of September :

**Location :** International Office : 21 rue Denis Papin, 42000 Saint-Etienne (tram station : Anatole France)



**9:00 – 12:00 :** Meeting at International Relations Office (Administrative information by Isabelle Levai-Daudel, UJM International Relations officer)

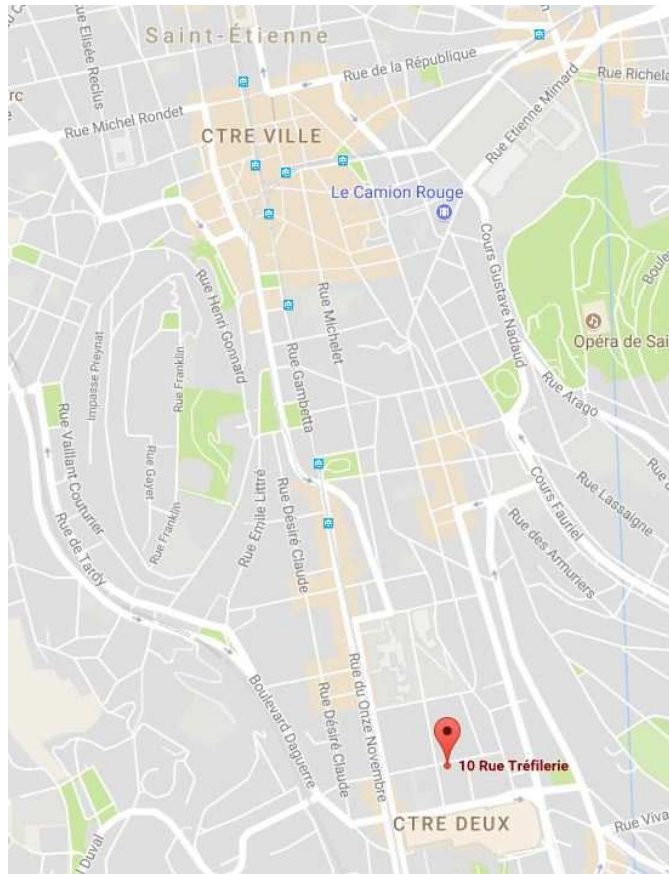
Thursday 7<sup>th</sup> of September :

**Location :**

- International Office
- Maison de l'Université

**9:00 – 12:00 :** Bank account opening at International Relations Office

Maison de l'Université (MDU), 10 rue Tréfilerie, 42000 Saint-Etienne (tram station : Centre-Deux)



**13:00 – 15:30** : Registration of CPS2 students at MDU

Friday 8<sup>th</sup> of September :

**Location** : Campus Manufacture

**COSI Industrial Day** :

**8:00 – 8:45**: [Room J020] “Introduction to HP Thermal Inkjet Writing Systems development” by **HP Inc - Spain**

**8:45 – 9:30**: [Room J020] “Colour Science and augmented reality for beauty personalization” by **L’Oréal - France**

**9:30 – 10:15**: [Room J020] “Activities of R&D Imaging Technology Department and Internship Program in Olympus” by **Olympus - Japan**

**10:15 – 10:45**: [Room J020] Coffee break – Discussions with Industrials

**10:45 – 11:30**: [Room J020] “Absolute color calibration vs CSFD (Color Standard Display Function)” by **Barco - Belgium**

**11:30 – 12:15**: [Room J020] “From research to visual effects and post-production at Technicolor” by **Technicolor - France**

Saturday 9<sup>th</sup> of September: Orienteering course in the Pilat Regional Park (social program with other International students enrolled in master at the FST)

Lunch & Transportation offered

Wear trainers, warm, waterproof and comfortable clothing

Please note that this course may be cancelled depending on the weather.