



Project number	<b>MSCA-ITN-2014-ETN 641272</b>
Project title	<b>High-intensity coherent nonlinear optics (HICONO)</b>
Title	<b>Fellow's report on training activities: Conference École Thématique Femto-UP2017 (October 2017, Lyon/France)</b>
Report status & date	<b>Version 1 (23.10.2017)</b>
Author(s)	<b>V. di Pietro</b>

I attended the “*École Thématique Femto-UP2017*”, a femtosecond school organized by Réseau Femto, the GdR UP (Ultrafast Phenomena) with the economic support of ‘*Institute de Physique*’ du CNRS (Centre national de la recherche scientifique).

The goal of this school was to study in depth the latest technical and scientific developments concerning the production of ultra-short laser pulses, their characterization, as well as their use in many scientific and industrial fields. Thanks to this school, I have considerably improved my background not only on the femtosecond domain, but even in non-linear optics and the generation of high harmonics. Many hours were also dedicated to industrial, biological and even medical applications of femtosecond sources. Very important to me it was also the presentation of the most advanced and used measurement techniques, that is exactly the subject of my thesis. Moreover, this school gave me the opportunity to know all the laboratories and professors who use and study the femtosecond sources in all the France, so I have really enlarged my scientific contact in the domain. Also for the first time, I participated to an industrial session; In particular I helped the Marketing Manager to create the Fastlite desk in order to present our company to the scientific community. It was very important to me, because for the first time I saw how a company advertises during a conference or start new contacts with new potential customers. Finally, I also met all the PhD students in the ultra-short laser domain; with them I had the opportunity to discuss and exchange ideas for several days.