

## Clock Network Services:

strategy and innovation for clock services over optical fibre networks

## Upcoming Training Events

The CLONETS project is envisioning a sustainable European time and frequency network including a community of engineers and researchers capable of contributing to the development and deployment of time and frequency services over optical fibre. Towards this aim, CLONETS is engaged in various training and dissemination activities and would like to announce two upcoming training events, which are described in more detail below.

## Time and Frequency Transfer over Fibre Networks

A CLONETS Introductory Training Event at NPL, UK

Free 1-day Workshop



26<sup>th</sup> February 2019

**Register Now!**  
Limited Participation

NPL, in close collaboration with CLONETS, is hosting a free one-day entry level workshop on the current state-of-the-art time and frequency transfer techniques relevant to a European-wide optical fibre network infrastructure. This workshop includes presentations from international experts, poster sessions from industry, and the opportunity for a tour of the Time Scale lab where the UK's national time scale UTC(NPL) is generated. The event is open to all interested in learning more about topics such as precise time, optical clock comparisons, time and frequency dissemination over optical fibre networks, the relevant techniques and technologies and their applications in both research and industry. To register and for more information see: <https://nplclonets2019.eventbrite.co.uk>.

## High Precision Physics using an Optical Fibre Link and Optical Frequency Comb

A CLONETS supported International Physics School at les Houches School of Physics, France



**Applications Open!**  
Deadline: 22<sup>nd</sup> Feb. 2019

This Physics School provides a unique opportunity to learn from leading experts about optical fibre links and optical combs in light of their increasing relevance to high precision measurements relying on ultra-stable and accurate frequency references. The lecturers and presentations cover important basic concepts, the performances and limitations of these two tools, their most recent developments and their application to a wide range of fields, including tests of fundamental physics, atomic and molecular high-resolution spectroscopy, radio astronomy and geodesy. The school has been organized by the French Optical Society with support from First-TF, LPL-UP13 and CLONETS and is open to all researchers, engineers, and PhD students interested in this topic without restriction of age, status or nationality. For more information and to apply:

<https://www.sfoptique.org/pages/ecoles-thematiques/fiber-links-and-frequency-combs/>



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**Contact:**  
[contact@clonets.eu](mailto:contact@clonets.eu)  
**Website:**  
<http://www.clonets.eu/>

