

<b>Job title</b>	<b>Post-Doc Research Engineer in Fibre Source Development</b>
<b>Ref</b>	<b>2018-20-Nextlight 2</b>
<b>Job type (PhD, Post-doc, Engineer)</b>	<b>Post-Doc</b>
<b>Contract duration (months)</b>	24 months
<b>Qualifications (Master degree, PhD...)</b>	PhD
<b>Job hours (full time/ part time)</b>	Full Time
<b>Employer</b>	UBFC – Université de Franche-Comté
<b>Host Laboratory</b>	FEMTO-ST
<b>URL Host Laboratory</b>	<a href="http://www.femto-st.fr">www.femto-st.fr</a>
<b>Address Host Laboratory</b>	15 B Avenue des Montboucons, 25000 Besancon, France
<b>Job description</b>	<p>An important goal in current photonics research is to develop next-generation sources of coherent light at wavelengths where existing sources do not exist or are severely limited.</p> <p>This project aims to contribute directly to solving this problem by developing new approaches to the generation of broadband light in optical fibres exploiting novel concepts from nonlinear dynamics and nonlinear systems. The project will involve numerical design using commercial and in-house developed software as well as the practical construction of a range of fibre sources (amplifiers, lasers).</p>
<b>Supervisor(s)</b>	John DUDLEY: john.dudley@univ-fcomte.fr
<b>Candidate profile</b>	For this experimental position, the candidate must have experience in the use of non-linear Erbium and Ytterbium doped optical fibers, photonic crystal fibres, fiber and bulk methods of pulse shaping and compression, ultrafast optics (fs to ps regime), and ideally previous experience in design and realization of fibre lasers.
<b>Keywords</b>	Nonlinear optics, laser development, amplifier modelling, supercontinuum generation

<b>Application deadline</b>	July 28 <sup>th</sup> , 2018
<b>Starting Job</b>	September 1 <sup>st</sup> , 2018
<b>Application</b>	<p>Please send the following documents (all in one PDF file) by e-mail to <a href="mailto:job-application@ubfc.fr">job-application@ubfc.fr</a>:</p> <ol style="list-style-type: none"> <li>1) For EU candidates: Copy of your national ID card or of your passport page where your photo is printed. For non-EU candidates: Copy of your passport page where your photo is printed.</li> <li>2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate Google Scholar accounts).</li> <li>3) Detailed list of publications (may include hyperlinks to DOI of publications).</li> <li>4) Letter of motivation relatively to the position (Cover Letter) in which applicants describe themselves and their contributions to previous research projects (maximum 2 pages)</li> <li>5) Copy of your PhD degree if already available.</li> <li>6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail.</li> </ol> <p>If you have questions regarding the application, please contact the supervisors.</p>