

## Recrutement prévu dans le cadre du contrat recherche H2020 Virtual FCS

<b>Job title</b>	<b>Fuel cell system degradation modelling on Open Modelica (Stack + BoP components)</b>
<b>Ref</b>	2023.02_postdoc_H2020_VIRTUAL FCS
<b>Job type (PhD, Post-doc, Engineer)</b>	<b>PostDoc</b>
<b>Contract duration (months)</b>	3 months
<b>Salary</b>	2 200 € gross per month
<b>Qualifications (Master degree, PhD...)</b>	PhD degree
<b>Job hours (full time/ part time)</b>	Full time
<b>Employer</b>	UBFC – Université Bourgogne Franche-Comté
<b>Host Laboratory</b>	Institut FEMTO-ST
<b>URL Host Laboratory</b>	<a href="https://www.femto-st.fr/fr">https://www.femto-st.fr/fr</a>
<b>Address Host Laboratory</b>	Institut FEMTO ST Laboratoire FCLAB/SHARPAC Rue Thierry Mieg 90000 BELFORT
<b>Job description</b>	<p><b>A Post-doctoral fellow</b> To further develop competencies in the field of <b>"degradation modelling for Fuel Cell Systems"</b>. Fuel cells systems (FCSs) are more and more recognized as promising substitutes to the conventional power systems, however, these systems still suffer from low reliability and short lifetime.</p> <p>Several ways like material and design improvement and/or effective diagnostics and efficient control are used to overcome the above-mentioned bottlenecks. The candidate will work within the Virtual FCS project to develop and validate models for degradation of stack and BoP component of the FC system, and integrate into the existing platform</p>
<b>Supervisor(s)</b>	Prof. Daniel HISSEL (daniel.hissel@univ-fcomte.fr) Prof. Nadia YOUSFI STEINER (nadia.steiner@univ-fcomte.fr) Prof. Marie-Cécile PERA (marie-cecile.pera@univ-fcomte.fr)
<b>Candidate profile</b>	PhD
<b>Keywords</b>	Fuel cell, degradation, BoP, Open Modelica

<b>Application deadline</b>	01/03/2023
<b>Starting Job</b>	01/02/2023
<b>Application</b> Depending on the type of position	<p><b>Post-doc position</b></p> <p>Please send the following documents (all in one PDF file) by e-mail to <a href="mailto:nadia.steiner@univ-fcomte.fr">nadia.steiner@univ-fcomte.fr</a></p> <p>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.</p> <p>2) Curriculum Vitae (may include hyperlinks to your ResearchID, Research Gate Google Scholar accounts).</p> <p>3) Detailed list of publications (may include hyperlinks to DOI of publications).</p> <p>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)</p> <p>5) Copy of your PhD degree if already available.</p> <p>6) Coordinates of reference persons (maximum 3, at least your master thesis supervisor): Title, Name, organization, e-mail.</p> <p>If you have questions regarding the application, please contact the supervisors.</p>