

<h2>Call for contribution of expertise</h2> <p>CERN invites collaborating institutes and universities to contribute the expertise of their qualified employees to the activity described below.</p>	
<p><i>Start date:</i> Asap</p>	<p><i>Duration:</i> One year, possible extension to a maximum of up to three years.</p>
<p><i>Project/Activity:</i> CAD / PLM application support engineer</p>	
<p><i>Detailed description of Activity:</i></p> <p>The CERN CAD service provides mechanical CAD software and corresponding data management system plus dedicated tools for the CERN design and engineering community. CERN'S official CAD tool is CATIA V5 with the Enovia SmarTeam as the Product Data Management system (PDM). CATIA V5 is a powerful 3D CAD tool that in addition to mechanical design, provides a large number of trade-specific software modules such as kinematic, piping, sheet metal design and digital mock-up.</p> <p>The assigned tasks would comprise helping users with methods to increase quality of their legacy data to meet new standards. In addition to the daily support tasks, this job would also include studying specific needs and propose CATIA methodologies and eventually customizations to deploy in production. This requires extensive use of CATIA and its local design data management system SmarTeam. The expert will participate in the development activities of CERN specific tools and customisations, such as writing technical specifications, testing and writing user guides. Moreover, SmarTeam will be superseded in the near future and new tools and methods will need to be put in place by the team in the coming years.</p>	
<p><i>Profile:</i> Software engineer, Mechanical Engineer or Aeronautical Engineer.</p> <p><i>Specific details:</i> Basic knowledge of 3D CAD and mechanical engineering is therefore a must as well as practical experience of using CATIA V5. Knowledge of data management is a plus. Other skills required: CAD design; support methodology; data management and software testing. Good level of English.</p>	
<p><i>Status at CERN:</i> Associated Member of the Personnel (Project Associate).</p> <p>Conditions in accordance with CERN's Staff Rules and Regulations and Administrative Circular No. 11. Subsistence allowance is payable by CERN to cover the additional cost arising from the individual's (and, as applicable, their family's) stay in the local area while performing activities at CERN.</p>	
<p><i>Option:</i> Collaborating institutes and universities can propose to support the activity of the qualified employees participating in this "Call for contribution of expertise" with students or other employees. Their status and Subsistence allowance when applicable will be adapted to their relation with their institutions</p>	
<p><i>Contact person:</i> Isabel Bejar Alonso</p>	<p><i>Reference:</i> 2017_Q4_036_ACE_CAD_Support</p>