

**INNOVATION VOUCHERS INITIATIVE**

**DIRECTORY OF SKILLS AND EXPERTISE**



Building Locally  
Competing Globally

<b>Knowledge Provider</b>	South West College
<b>Address</b>	InnoTech Centre, Burn Road, Cookstown, Co. Tyrone, BT80 8DN
<b>Contact Name</b>	Paul Cairns
<b>Telephone Number</b>	028 8225 5223 ext 4227
<b>Email Address</b>	paul.cairns@swc.ac.uk

Department/Unit	Specific services offered	Contact Name	Address (If Different from Above)	Telephone	E-Mail address
InnoTech Centre  Design & Engineering Team	Design and technical consultancy for: - New product development - Product improvement - Concept design and development - 2D & 3D CAD using SolidWorks, Fusion 360 and Revit modelling - Rapid prototyping and 3D printing (including ABS plastic, clear, high-temperature, polypropylene-like, colour) - CNC machining (metal & wood) - Materials and mechanical testing - Finite Element Stress Analysis & Flow analysis - Advice on Intellectual Property Rights including IP protection, patenting and licensing - Advice on CE marking - Technical market research - Robotics - AR/VR	Paul Cairns	South West College InnoTech Centre Burn Road Cookstown Co. Tyrone BT80 8DN	028 8225 5223 Extension 4227	paul.cairns@swc.ac.uk

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<p>InnoTech Centre Renewable Energy and Sustainable Technology Team</p>	<p>Technical mentoring and research and development of:</p> <ul style="list-style-type: none"> <li>- Biomass production, harvesting, drying, delivery and utilisation</li> <li>- Biomass quality testing</li> <li>- Pellet and log fuel production and binders</li> <li>- Waste wood utilisation</li> <li>- Sustainable construction systems, products and processes</li> <li>- Biomass district heating systems</li> <li>- Passive house design &amp; PHPP</li> <li>- Energy management</li> <li>- Energy efficiency</li> <li>- Industrial waste processing and recycling</li> <li>- Product trials</li> <li>- Product carbon footprinting</li> <li>- Smart grid and energy storage</li> <li>- All areas of Renewable Energy &amp; technologies</li> <li>- Electric vehicles and alternative fuels including hydrogen</li> </ul>	<p>Paul Cairns</p>	<p>South West College InnoTech Centre Burn Road Cookstown Co. Tyrone BT80 8DN</p>	<p>028 8225 5223 Extension 4227</p>	<p>paul.cairns@swc.ac.uk</p>
<p>InnoTech Centre Software &amp; ICT Team</p>	<p>Technical mentoring and research and development of:</p> <ul style="list-style-type: none"> <li>- Learning Management design &amp; development</li> <li>- Network Design and Implementation including security</li> <li>- System Design and Analysis</li> <li>- Cyber Security Essentials</li> <li>- Data Analysis &amp; Visualisation</li> <li>- User Interface and User Experience (UX) Design</li> <li>- Cloud Data Management</li> <li>- Interactive Digital Sales Catalogue Development</li> <li>- ERP Development &amp; integration</li> </ul>	<p>Paul Cairns</p>	<p>South West College InnoTech Centre Burn Road Cookstown Co. Tyrone BT80 8DN</p>	<p>028 8225 5223 Extension 4227</p>	<p>paul.cairns@swc.ac.uk</p>


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