

INNOVATION VOUCHERS INITIATIVE

Cork Institute of Technology

DIRECTORY OF SKILLS AND EXPERTISE



College Contact Point for Innovation Voucher Enquires:

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Department/Unit	Specific services offered	Contact Name	Address	Telephone	E-Mail address
TEC Centre (Technologies for Embedded Computing) www.tec-centre.ie	The Centre’s main area of research is in embedded systems but it also offers innovation services and support in the broad area of wireless systems and wireless sensor networks, miniaturised hardware systems, software development, websites and user interfaces.	Sinead Rodgers Richard Linger	TEC Centre, CIT, Bishopstown, Cork	021-4335569 021-4335562	sinead.rodgers@cit.ie richard.linger@cit.ie
CAMMS Centre (Centre for advanced manufacturing and Management Systems) www.camms.ie	Attached to the Department of Mechanical, BioMedical & Manufacturing Engineering , the centre uses the design, build, test & validate expertise of the Dept in solving problems for industry, and in delivering up to date Training and education for professionals. Areas of expertise include: - Building Energy Services - Sustainable Energy - Lean /Six Sigma - Project Management - Regulatory Affairs - Process control & automation (Mechatronics/ SCADA) - Biomedical Engineering	Mike McGrath	CAMMS CIT Bishopstown Cork	021.432 6756	michael.mcgrath@cit.ie camms@cit.ie
CAPPA (Centre for Advanced Photonics & Process Analysis)	The Centre for Advanced Photonics & Process Analysis (CAPPA) is an industry focused research	Dr. Liam Lewis	CAPPA CIT	021-4335338	info@cappa.ie liam.lewis@cit.ie

www.cappa.ie	<p>centre working in the fields of applied optics and photonics and is based at Cork Institute of Technology. The centre has industrial partners in various sectors including medical devices, electronics, food science and technology, pharmaceuticals and photonics.</p> <p>CAPPA works with a wide variety of companies from Irish start-ups and SMEs to world leading MNC's. CAPPA's facilities are co-located in CIT and the Tyndall National Institute under the CIT@Tyndall partnership.</p> <p>CAPPA's has expertise in</p> <ul style="list-style-type: none"> • Photonic Sensors • LED\Laser characterisation • Life science sensing applications • Photonics for medical devices • Spectroscopy for Pharmaceutical applications • Spectroscopy for food and nutritional analysis • Process automation and optimisation • Infra-Red and Raman analysis • Scanning Electron Microscopy and elemental analysis • Contamination detection and identification • Prototype development • Optical design and simulation • H2020 proposal preparation and consortia development 		Bishopstown Cork		
Chemistry	Analytical Chemistry application using HPLC, LC-MS/MS and ICP-MS. Analytical screening of Herbal preparations, Environmental Screening of APIs, Heavy metal detection, Food and Water Screening for chemical residues and biotoxins	Dr Ambrose Furey	Dept. of Physical Sciences, CIT	021-4335875	ambrose.furey@cit.ie
MEDIC (Medical Engineering Design and Innovation)	The MEDIC centre is a focus point for design innovation, product development, regulatory	Patrick McGowan	MEDIC CIT	021 4326751	paddy.mcgowan@cit.ie

<p>Centre</p> <p>www.medic.ie</p>	<p>activities and clinical interaction. MEDIC provides applied research and commercialisation capabilities for clinicians, inventors, and companies who endeavour to develop medical device technologies. All of our activities are controlled by our Quality Management System which is certified to ISO 13485.</p> <p>The following services are provided:</p> <ul style="list-style-type: none"> • Concept assessment • Concept generation • Full product development cycle • Technical feasibility • Applied research (technical engineering & science) • Prototype design and manufacture • High resolution 3D printing • Physical and simulated testing • Part and assembly inspection using automated CMM machine. • Identifying and securing funding • Planning Development and manufacturing regulatory activities 		<p>Bishopstown Cork</p>		
<p>Mechanical Engineering</p>	<p>Product Design and Analysis Rapid Prototyping Machining Materials Testing High Speed Imaging & Thermal Imaging Automation and Mechatronics Energy Engineering Automotive Engineering</p>	<p>Matthew Cotterell</p>	<p>CIT Bishopstown Cork</p>	<p>021- 4326274</p>	<p>Matt.cotterell@cit.ie</p>
<p>Clean Technology Centre</p>	<p>Process optimisation, water efficiency, waste assessment and minimisation, energy optimisation, Environmental Programme Management, environmental management, training, R&D, technical assistance (resource use reduction), environmental audits, waste characterisation, emissions inventorying, PERs, IPPC applications, fugitive emissions estimation, cleaner production,</p>	<p>Colum Gibson</p>	<p>Clean Technology Centre, Cork Institute of Technology, 53 Melbourne Road (TYCO), Bishopstown, Cork,</p>	<p>+353 21 4344864</p>	<p>Colum.gibson@cit.ie</p>

	solvent balances, material flow analysis, environmental policy development, e-learning development.		Ireland		
Electrical Engineering	All aspects of Electrical Engineering and power	Joe Connell	Dept of Electrical Engineering CIT Bishopstown Cork	021-4325475	joe.connell@cit.ie