



**WFCP**  
International  
Awards of Excellence

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## The World Federation of Colleges and Polytechnics (WFCP) International Awards of Excellence - 2016



### Access to Learning and Employment

**Gold: Holland College**, Early Childhood Care and Education, Blended Learning Delivery Model - Canada

**Silver: North Island College**, The Remote Web-based Science Lab (RWSL) - Canada

**Bronze: Wuhan Railway Vocational College of Technology** - China



### Applied Research and Innovation

**Gold: British Columbia Institute of Technology (BCIT)** - Canada

**Silver: Lambton College** - Canada

**Bronze: CIFP Aretxabaleta Lanbide Eskola Lhii** - TKgune, Range Extender Hybrid Vehicle Prototyping - Basque Country



### Entrepreneurship

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**Bronze: Lambton College** - Canada



### Green Colleges

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**Silver: Cégep Limoilou**, Responsible actions for the environment and sustainable development Committee - Canada

**Bronze: Guidaojiaotong Polytechnic Institute (GPI)**, Training Base of New Energy Technologies - China



### Higher Technical Skills

**Gold: Burton and South Derbyshire College**, Delivering global higher technical skills for tomorrow's productive economies - United Kingdom

**Silver: Handan Polytechnic College**, To innovate the cooperative mode between college and enterprise - China

**Bronze: Georgian College of Applied Arts and Technology** - Electrical Engineering Technician and Technology programs - Canada



### Leadership Development

**Gold: Colleges and Institutes Canada**, Leadership Institutes - Canada

**Silver: Ann Buller**, President and CEO, Centennial College - Canada

**Bronze: Lakeland College** - Inverted, Servant, Appreciative Leadership - Canada



### Student Support Services

**Gold: Qingdao Technical College** - China

**Silver: Northeast Community College**, Strengthening Student Advising - United States of America

**Bronze: Yangzhou Polytechnic Institute**, The service mode of supporting students oriented towards students - China



## Access to Learning and Employment



**Gold: Holland College**, Early Childhood Care and Education, Blended Learning Delivery Model - Canada

The Early Childhood Care and Education Blended Learning Program (ECCE-BL) was created to address a sector/government need in Prince Edward Island (PEI). In 2010, due to extensive changes to the educational requirements for early childhood education staff in PEI, a large influx of already employed, undertrained employees required a delivery model that would enable them to work full time, while they studied towards the newly established levels of certification and training. Prior to the beginning of this program, the sector had over 50% of the educators with no training or certification in early childhood. This training will have served to enhance the size and capacity of PEI's trained early childhood workforce, while also growing the knowledge and skill base of the sector, resulting in higher quality and consistency of programs.



**Silver: North Island College**, The Remote Web-based Science Lab (RWSL) - Canada

The Remote Web-based Science Lab (RWSL) is a North Island College innovation that currently allows students and educators to conduct high quality online science labs in real-time from anywhere in the world via the internet. Since its creation in 2003, students have used RWSL to access research-grade lab equipment including microscopes, a telescope system, spectrometers, robotics and more. The RWSL technology is an effective channel for delivering Science, Technology, Engineering and Math (STEM) education to students who may not otherwise have access to this equipment and learning. RWSL provides students global access to affordable, hands-on experiential learning in a collaborative, social, online environment that is reflective of 21st Century learning principles.



**Bronze: Wuhan Railway Vocational College of Technology** - China

Founded in 1956, Wuhan Railway Vocational College of Technology is a full-time higher vocational institution specialized in railway programs, sponsored by Hubei Provincial Government. Located in Wuhan, Hubei province, China, the college has an enrollment of more than 12,000. It is one of China's national exemplary vocational colleges, the national top fifty colleges with good employment, and the president unit of Railway Transportation Vocational Education Group as well. The graduates of the college enjoy great advantages in employment, and the graduate

employment rate remains at a level of 98% and above. Consequently, the college has moved into a favorable situation for both enrollment and employment.



## Applied Research and Innovation



**Gold: British Columbia Institute of Technology (BCIT)** - Canada

With over 47,000 students enrolled annually, BCIT is one of British Columbia's largest post-secondary institutions. Their goal is to be integral to the economic, social, and environmental prosperity of British Columbia through its applied education model of student learning. Founded in 1964, BCIT has established itself as one of the leading educational institutes in engineering; health sciences; business; computing; trades, apprenticeship and technical programs; and applied research. Renowned for offering hands-on, practical learning, BCIT graduates are prepared to succeed in their careers from day one. BCIT's curriculum and applied research endeavors are industry connected, and help ensure, year-after-year, that they are advancing the state of practice.



**Silver: Lambton College** - Canada

Lambton College established the Applied Research & Innovation department in 2007 to provide applied research, development, technical services, technology transfer, commercialization to industry, and organizations nationally. This department has consistently outperformed its larger Canadian counterparts with respect to research growth, volume, and intensity, which has led to recognition as an applied research and development hub due to the college's expertise, capacity and capabilities in many unique areas. These areas include a wide range of technology-related themes such as: advanced materials, chemical process design and optimization, instrumentation and process control, bio-industrial technology, advanced manufacturing, water, energy, and information technology. In recent years, the College has also extended its research portfolio into new sectors including health and wellness, social sciences and business. These growing initiatives have provided ongoing support to many organizations and small and medium-sized enterprises (SMEs). As Lambton College looks to the future, it will continue to stand out against other colleges by leveraging its unique strengths as a global leader in applied research and development.



**Bronze: CIFP Aretxabaleta Lanbide Eskola Lhii** - TKgune, Range Extender Hybrid Vehicle Prototyping - Basque Country

Addressing the request of the SMEs in the Basque Country, the Tkgune programme was launched by the Basque Deputy Ministry for VET in 2014/2015 course. In line with the smart specialization strategies fostered by the Basque Government, the main goal of the programme is to promote the collaboration among VET centres and SMEs, in order to provide them with innovation services.

The coordinated teachers/enterprise workgroup has managed to turn an electric vehicle in a “Range Extender” type hybrid vehicle, implementing a prototype vehicle not to be traded. During the process, a combustion motor has been coupled to an electric one in order to increase the vehicle’s autonomy. However, the main goal was to acquire the know-how necessary to later introduce that technology in the company.



**Silver: Olds College** - Canada

For over a century Olds College has placed an emphasis on hands-on training, applied research and innovative learning, but at the heart of everything we do is focus on fostering a spirit of entrepreneurship and a commitment to helping our students employ their passion. At Olds College entrepreneurship isn’t just a word or a course, it’s a mindset and a cultural value.

When we refer to entrepreneurship, we mean it in the broadest sense: the ability to see an opportunity and pull together the resources and people needed to make it happen. Entrepreneurship is embedded in our operational model, our learning environment, our ventures, our partnerships, our social activity and our international projects. We take pride in being a leader in innovation and entrepreneurship.



**Bronze: Lambton College** - Canada

Since its inception January 6, 2012, the 315 Lambton College students involved with Enactus have brought new meaning to the words entrepreneurship and innovation. Through compassion, dedication, and humanity, Enactus Lambton has managed to create a farming revolution in the Zambian towns of Hufwa, Gaali, Kasaka and 45 surrounding villages through their inspirational One Seed Project, a well-rounded enterprise that provides solutions to a multitude of social and infrastructure issues, combining alternative energy solutions, food security, healthcare, education, and financial literacy. Enactus Lambton is a great reflection of the type of programs offered at Lambton College, and the One Seed project has helped raise the College’s international profile. The success of the One Seed venture speaks volumes to the dedication of Lambton College students to their global community and the training they receive in their programs. What’s really compelling about the One Seed story is that it started as a student-led project and has grown to garner support from public school, high school and post-secondary students who all want to get involved and help. Canadian farmers, and other members of the community have also come on board to lend their support. Together, they have built schools, lodging, a drip irrigation system, and a no-till farming revolution that has directly affected the lives of 32,000 people in rural Zambia. This year, Lambton College students will expand the program to 10,000 new farmers, which will create a middle-class for 80,000 people – the equivalent to the city of Sarnia (where Lambton College is located) in only one year.



**Entrepreneurship**



**Gold: Nanjing Institute of Industry Technology** - China

As Vice-Chairman of the Unit of the National College Alliance of Innovation and Entrepreneurship and Chairman and Secretary General of the Unit of the National Higher Vocational College Alliance of Innovation and Entrepreneurship, Nanjing Institute of Industry Technology (NIIT) boosts the national strategy implementation of mass entrepreneurship and innovation. NIIT actively supports its teachers to carry out site application technology research and development, promote teachers and students to participate in innovation and entrepreneurship, and serve regional economic development and industrial restructuring and upgrading through scientific and technological innovation and construction of all kinds of provincial high-end government-college-industry- research. In the past 5 years, students of NIIT won 104 first prizes in National Innovation and Entrepreneurship Competition, obtained 366 patents, and had more than 200 autonomous student innovation teams and R & D projects annually. The number of approved invention patents and utility model patents are taking a leading role in similar institutions in China.



**Gold: Durham College, Centre for Food - Canada**

Durham College is located in a unique region that features a mix of urban and rural living, with agriculture as one of the leading employers. Through a market analysis and in working with industry, a series of factors came to light that ultimately made the Centre for Food a reality: We learned that each year hundreds of students were leaving our community to pursue tourism, hospitality, culinary, agriculture, horticulture and other related programming at other post-secondary institutes. We understood that projections were pointing to employment growth in these sectors in our community. There was growing demand for local foods produced using environmentally sustainable practices.

This centre is made up of a 36,000 sq. foot building that is home to a green-certified restaurant, retail store, living wall and numerous classrooms and labs. In addition, the centre includes greenhouses, a hoop house, agricultural fields, growth chambers and other complimentary features. The centre is supported by ambassador and celebrity chef Jamie Kennedy, who has dedicated his incredible career to sustainable agriculture and advocacy of the local food movement.



**Silver: Cégep Limoilou, Responsible actions for the environment and sustainable development Committee - Canada**

Pressures by biology students in 2004 and the involvement of some professors, led to the creation, in 2005, of the Comité d'action et de concertation en environnement (CACE) or Environmental Action and Consultation Committee of the Cégep Limoilou. The coherent implementation of the College environmental aim necessitated an important amount of coordination work. On February 21st, 2006, the Board of Directors adopted and established an environmental policy for the institution, a recovery system of waste carried out in the same year, an environmental action plan, for each year since then and an environmental policy amended on November 30, 2010. Directly and concretely in the institution the CACE and the student committee work together. They offer students, employees and professors the opportunity to get involved as volunteers and participate in various projects such as debates, awareness, theme weeks, conferences and action plan. With a great care for environmental issues, all these persons are dynamic, bright and mobilized.



**Bronze: Guidaojiaotong Polytechnic Institute (GPI), Training Base of New Energy Technologies - China**

Guidaojiaotong Polytechnic Institute (GPI) is one of the first higher vocational colleges to carry out concept of green college and sponge city in China. In general, the building of the training base in new energy technologies looks like a leaf, representing green, energy-saving, low carbon and environmental protection.

Based on the principle of fluid mechanics, the building of the training base can breathe automatically without using energy, which is the unique feature of GPI's training base among the vocational schools in China. No energy & ventilation facilities is used in the construction, natural ventilation can be achieved in the building. Also, for energy-saving, a wind and solar hybrid power generation system is used in the training base of new energy technologies, which provides power to the electrical devices in the training room such as computers, lighting equipment and controllers. For water-saving, the rainwater collection system and electric valves are used in the campus. Rainwater can be reused for irrigation, as well as view spots in the school campus. High-end PLC S7-1500 of Siemens is used as a controller for temperature and humidity control, which could provide the most advancing technologies and skill to the students. Renewable materials are used as much as possible in the practical training base for environmental protection and cost-saving.

The unique feature of GPI's green college construction lies in: the green buildings in the campus are not only used as green training base for vocational education under the mode of work-study combination, but also behaves as complicated object for mechanical and electrical integration related majors and solve the problems caused by lack of control object or oversimplified control object.



## Higher Technical Skills



**Gold: Burton and South Derbyshire College,**  
Delivering global higher technical skills for tomorrow's productive economies - United Kingdom

Burton and South Derbyshire College places a strategic emphasis on partnering with industry to ensure that all of our learners have access to jobs through the acquisition of 21st century technical and soft skills. Through our 'skills promise' (which has been designed by industry for industry) and our curriculum excellence we have created provision that specifically gives all of our learners' core competences in their chosen field and secures incredibly high rates of sustained employment for our learners.

Each year BSDC works with many blue chip and significant organisations. We are strategic education partner with St George's Park (the Football Association's internationally renowned centre of excellence) providing a range of training, skills development and Apprenticeships. We have established sector based academies with a range of retail partners including international supermarket chain Waitrose. These programmes support the opening of new stores in aligning, through training, local skills needs with roles identified within the new retail outlet. We have established a market leading sign and digital print facility that is supported by industry and the Local Enterprise Partnership providing our learners with the skills needed to excel in this sector.

The college holds regular and vastly attended events to support employers in developing the skill base of their employees. Our monthly 'business breakfasts' allow employers to share best practice in skills development and provide a focal point for new employers wishing to take advantage of the college's expertise. Our annual employment fairs have also seen hundreds of employers attend offering thousands of jobs significantly reducing unemployment locally and providing the economic regeneration and development required for a sustainable and successful local community.

Our range of industry Patrons and Fellows are aligned to curriculum areas ensuring that our curriculum is fit for purpose and reflects industry need. These executives and industry innovators provide opportunities for our learners including industrial talks, industry visits and job opportunities at the end of their programmes of study.



**Silver: Handan Polytechnic College,**  
To innovate the cooperative mode between college and enterprise - China

The College takes the lead in promoting and drafting the Regulations on Promoting the School-Enterprise Cooperation for Handan Vocational Education in the whole province, which has become the effective local government regulations. It has established a strategic cooperation relationship with some of the Top 500 Enterprises, such as Xinxing Energy Equipment Co., Ltd. and the Great Wall Group, cultivating and conveying more than 700 students for them every year. Besides, it has set up the titled classes with some well-known enterprises like Sunshine Group, Mei Shi Lin Group, etc. And, it has piloted a new work-learning-combined cultivating mode of "Internship + home lessons + tutorship" with some enterprises, such as Tianjin Honor Sign Home and China Continent Insurance Company.



**Bronze: Georgian College of Applied Arts and Technology** - Electrical Engineering Technician and Technology programs - Canada

Georgian College's Electrical Engineering Technician and Technology programs attract approximately 200 Canadian and international students each year. Faculty use leading-edge technology and tools to complement theory. Students' skills are reinforced during mandatory year-round co-operative placements opportunities. Graduates are renowned for their skills in troubleshooting, maintenance and repair of electrical systems; installation and testing of electrical/electronic assemblies and sub-assemblies; designing and monitoring power distribution systems and assessing power quality; automation and robotics; CAD in engineering and maintenance settings; analyzing and improving processes; safe work practices; and applying engineering principles. To ensure high-quality and relevant curriculum, the programs are critically examined by the program team on a continuous basis and reviewed by internal curriculum committees as well as an industry-lead advisory committee. The technology program has been accredited by Technology Accreditation Canada (TAC). Industry training is often conducted at the college, which expands the skills of graduates while strengthening collaborative relationships.



## Leadership Development



### **Gold: Colleges and Institutes Canada,** Leadership Institutes – Canada

Leading in the ever-evolving landscape of post-secondary education requires strong skills and tools to be effective and successful. Over the past 23 years, CICan has been offering the latest management concepts and experience to prepare emerging leaders to successfully lead in the college and institute system. CICan’s leadership model contributes to institutional succession planning by looking at the competencies required to lead effectively in institutions of all sizes, addressing both career progression and the skills necessary to lead at a higher level.



### **Silver: Ann Buller,** President and CEO, Centennial College – Canada

Ann Buller is president and CEO of Centennial College, one of the most culturally diverse postsecondary institutions in Canada. Her philosophy of education includes integrating a deep respect for diversity and an understanding of global citizenship into the curriculum, ensuring that all students are prepared to think critically about today’s social justice and equity concerns. Since she assumed the presidency in 2004, she has transformed Centennial into a leading provider of globally-minded postsecondary education.

Over the course of her career in Canadian postsecondary education, President Buller has established a reputation for developing tomorrow’s leaders, equipping students and colleagues with the skills they need to lead with integrity. She recognized that there was a need to provide leadership training that addressed the unique needs of increasingly diverse communities. To accomplish this, she implemented many innovative programs and initiatives designed to cultivate leadership competencies. In 2008, President Buller launched the college’s Signature Learning Experience (SLE), a groundbreaking initiative that embeds principles of global citizenship, social justice and equity into every student’s education. The SLE prepares students to take on leadership roles in a global marketplace.



### **Bronze: Lakeland College –** Inverted, Servant, Appreciative Leadership – Canada

Lakeland College’s concept of inverted, servant, appreciative leadership demonstrates to the world how post-secondary organizations can be a leader in coping with the current issue of ‘brain drain’. Since its inception in 1913, the college has actively demonstrated a practical and applied approach to teaching and learning. We saw the need to develop our own leaders and have provided mentorship opportunities for both staff and students to take the lead. We have integrated both community members and industry representatives by inviting them to serve on the Board of Governors or become advisory committee members. In these capacities, members of the community and local industry provide feedback, mentor, and critique our students and employees. Local community and industry members are actively engaged with students and staff projects and have been for years.

As our conceptual idea of growing our own leaders continues to evolve, we pride ourselves in giving our people the opportunity to develop their potential. Developing leaders is a shared process; it requires fostering an environment of trust, respect and mentoring from behind. Leaders who have gone before have cultivated a place which passes on the culture of growing our own and producing accomplished leaders.



## Student Support Services



### **Gold: Qingdao Technical College –** China

QTC (Qingdao Technical College) is one of the first model higher vocational colleges in China. Since its establishment, it has been honored varieties of awards including National Advanced Provider of Vocational Education, National Employment Competitiveness Demonstration School, and National Advanced Collective in Mental Health Education. The college adheres to an education idea of comprehensive and sustainable development. It sets up service and support platforms for students through multiple channels and created “the all members, the whole field and the whole procedure system” and “the happy garden for living, good garden for study and fascinating garden” campus. Over 40 thousand graduates have stepped out of this college and into the society. With an employment rate of 97% for seven consecutive years, QTC has become a strong support for local economy and social development.





**Silver: Northeast Community College,**  
Strengthening Student Advising – United  
States of America

Northeast reviewed student surveys to identify institutional strengths and deficits that may impact completion. One of those deficits was found in academic advising. As a result, Strengthening Student Advising became a campus-wide initiative. A consultant was enlisted from the National Academic Advising Association (NACADA) to conduct an audit of our academic advising system. After reviewing the results of the audit, a seven-member team made up of vice presidents, deans, staff, and faculty attended a week-long NACADA Advising Institute.

The team received guidance from national advising experts to develop a five-year vision and plan to redesign advising at Northeast. The first initiative was to hire a team of students to serve as peer advisors. These peer advisors went through intensive training and were able to staff office hours and meet with their peers across campus. They also assisted faculty advisors with group advising sessions throughout New Student Registration during the summer. These services are continuing in the 2016-17 academic year.

The team, which involved stakeholders from both educational services and student services, formalized an academic advising mission, vision, and philosophy for Northeast and created an academic advising syllabus. The message that advising is for academic and career success, rather than just “course registration,” is changing the culture of advising across campus. A core team of ten faculty and staff attended train-the-trainer sessions to become the Academic Advising Training Corps. This advising team has implemented college-wide advisor training for all employees, and has begun to develop the framework to shift to a team advising structure comprised of both first-year advisors and program faculty with mandatory advising and a first-year seminar course for all students. This course is being piloted during the fall 2016 semester.



**Bronze: Yangzhou Polytechnic Institute,** The  
service mode of supporting students oriented  
towards students – China

Yangzhou Polytechnic Institute (YPI) is a full-time Institute officially approved by Jiangsu Provincial People's Government. It is situated in Yangzhou, a well-developed historical and cultural city.

Having advantages in education and scientific research conditions including National Training Bases run by the central government's fiscal support, Provincial High Vocational Training Bases, provincial project research and development center, state-of-the-art training facilities, YPI provides the favorable platform training students into high-quality vocational personnel with firm theory knowledge and practical ability of technology. The case of YPI Oriented towards Students was excerpted from “Report on the Quality of China's Higher Vocational Education (2016)”. In July, 2016, the typical case of YPI's Promoting Students' Growth by Constructing Platforms, Establishing Systems, and Seizing Nodes was again excerpted from “Typical Cases of Educational Reform and Innovation in Jiangsu Province”.

YPI adheres on the service mode of supporting students oriented towards students, lays emphasis on the improvement of students' social responsibilities, organizing abilities, team spirit, innovational consciousness, and moral qualities, and encourages students' efforts to self-educate, self-manage and self-serve.



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