

Oshawa. In the right place.

Development Insider

IN THIS ISSUE

- 1 22,500 students expected by 2015
- 3 Innovation is about partnerships
- 5 Residential development leaps ahead
- 7 Commuting to Oshawa by airplane
- 9 Powerful women educated locally

SMART CITY: How Academia Has Inspired Oshawa



22,500

By 2015 Oshawa will enjoy the presence of
University & College Students

DEVELOPMENT INSIDER 2011

In a review of 2010 and a look ahead through 2011, it is apparent that the academic presence in Oshawa is growing so significantly that it impacts every aspect of our city's existence: Innovation, Development, Business and Life. Oshawa is proud to be home to three well-known universities and one college – all have expanded and are planning to grow even more over the next four years.

Another positive observation is that Oshawa's manufacturing sector has not only recovered, but has carried forth in the development of new and smart products. Because of this, Oshawa will enjoy one of the highest growth rates in the country in the year to come.

Finally, Oshawa is in the middle of a renaissance – the community is becoming more diverse, while arts & culture have marched to the forefront. There have been significant advances in every Oshawa neighbourhood, from uptown to downtown, and midtown to the waterfront.



PHOTOS: The revitalized historic Alger Building is one of UOIT's new academic buildings in Downtown Oshawa (above). Dr. Steven E. Franklin, president and vice-chancellor of Trent University, makes a grand opening speech at the new Thornton Road Campus (on right). Durham College student rejoices at a graduation ceremony (far right).



UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY

is a comprehensive university with seven faculties, offering 31 undergraduate programs with numerous specializations, 19 master's level degrees, seven PhD degrees and seven graduate diplomas. In 2010, UOIT approved three new PhD and four new master's programs, while 2011 will see the introduction of a BA Honours in Community Development and in Forensic Psychology. UOIT has been awarded seven Canada Research Chairs as well as several Industrial Research Chairs. The Faculty of Social Science & Humanities and the Faculty of Education are now located Downtown. UOIT expects enrolments to grow to 11,600 by 2015, with 5,000 of those attending class Downtown.

DURHAM COLLEGE boasts two campuses within the Oshawa Census Metropolitan Area (CMA) and offers more than 100 full-time programs. In 2010, Durham College introduced six new programs including one in Hospitality Management and another in Culinary Skills, while 14 new programs are slated for 2011 inclusive of a new Advanced Fine Arts diploma. The college's dental programs, including the Dental Assisting program, have received accreditation status by the Commission on Dental Accreditation of Canada. Durham College expects to grow to 10,000 students by 2015.

TRENT UNIVERSITY has had a presence in Oshawa for over 36 years and, in the fall of 2010, opened the Thornton Road Campus. The new campus offers a mix of arts and science programs for full- and part-time students. Trent is number one in Canada for scholarships and bursaries, allowing a wide range of students to pursue a distinguished degree. The University plans to grow to over 1,300 students by 2015.

QUEEN'S UNIVERSITY, Lakeridge Health and UOIT have signed a Memorandum of Understanding with the objective of enhancing collaborative education and research activities. The now opened LHEARN Centre (Lakeridge Health Education and Research Network) spans approximately 19,500 square feet, and includes health care simulation laboratories, 210+ seat auditorium, classrooms, conference rooms, a health sciences library, and a Family Medicine Program. Medical students and other health discipline students will come to Oshawa for training. An official grand opening celebration is planned for fall 2011.

INNOVATION

THE YEAR PAST

EHC Global, **headquartered worldwide in Oshawa** and with offices in eight other countries, is the world's largest escalator handrail manufacturer. Two of their unique products are AMrail and ADRail™. AMrail handrails give passengers a sense of comfort knowing the handrails they hold are cleaner because they inhibit the growth of microbes.

ADRail™ is EHC's new and innovative form of advertising and branding for escalators and moving walks. The company custom prints, installs and removes advertising films that provide rich, vibrant colours, as well as clear and concise messages. Last year EHC Global installed the largest advertising campaign on escalator handrails in China. The advertising campaign for Hanns.G was installed in 8 cities across China.

Ontario Power Generation (OPG) recently announced a million investment in **the Canadian Nuclear Sector** over the next five years to continue a collaborative partnership with Durham College and the University of Ontario Institute of Technology (UOIT). Together, the three partners will work toward the effective education and training of employees in the nuclear sector. This investment will meet OPG's needs for a new generation of energy specialists to support its nuclear operations and projects.

Dr. Carolyn McGregor, a **Canada Research Chair** in Health Informatics and Associate Professor at UOIT has received the InfoSphere Innovation Award from IBM. Dr. McGregor's research, known as Artemis, is helping "make sense" of the constant stream of data collected from critically ill premature babies so that doctors will be able to recognize the subtle changes that can reliably predict a deterioration in condition and allow them to intervene more quickly.

The GENERAL MOTORS OF CANADA AUTOMOTIVE CENTRE OF EXCELLENCE features a one-of-a-kind climatic wind tunnel with extreme weather capabilities, and the newly developed ENERGY RESEARCH CENTRE will house UOIT's unique programs in wind, solar, hydrogen, hydraulic, nuclear and geothermal energy. Both will open for business in 2011.



“Canada’s Smartest Cities in 2010: Oshawa 16th Place and Rising”

MACLEANS, 2010

THE YEAR AHEAD

In 2009, Durham College became a member of the Colleges Ontario Network for Industry Innovation (**CONII**), a consortium of colleges dedicated to helping business and industry become more competitive in the global economy. Since then, a number of initiatives have been launched to the benefit of both DC students and the business community.

In 2010 alone, under CONII, Durham College partnered with a number of Oshawa companies, such as **Innovative Solutions Inc.** to bring a series of energy-saving technologies to the retail market. They also teamed up with **A.B.D. Solar Power Pool Tools** to develop a pool debris skimmer/extraction device prototype. Other partnerships included working with **Yowza Digital Inc.** to produce fully animated interstitials – short, animated segments that serve as a bridge between full-length programming as well as teaming up with **GreenWorks Solar Power** on the development of a new ground-mounted solar tracking system.

New and open for business in 2011, **Innovation Durham Northumberland (IDN)** is an industry-led non-profit organization providing technology commercialization services contributing to the growth of both the Durham Region and Northumberland County. With an office at UOIT, IDN provides innovators, technology-based businesses, entrepreneurs and researchers with services and programs to help them innovate and gain a competitive advantage.

UOIT was awarded more than \$2.6 million in funding from the federal government and GM of Canada to improve electric vehicles with extended range capabilities (EV) as part of the **Automotive Partnership Canada** initiative. This is the first research project to be announced under the APC umbrella.

DEVELOPMENT

**ISLAMIC CENTRE OF OSHAWA**

Construction of the new Islamic Centre of Oshawa (ICO), a cost efficient, multi-functional and fully accessible space that will hold approximately 300 patrons. Established in the late 1970's, the ICO is the second oldest mosque in the province of Ontario [pictured above].

THE YEAR PAST

2010 was indeed a major leap for the residential sector. Oshawa had the highest residential building permits value and the most permits issued for new residential units in all of Durham Region (\$213 million and 725, respectively). Residential developments last year included: Great Gulf homes (\$53.7 million), Tribute's Windfield (\$40.8 million), Brookfield Homes (\$19.3 million), Baywood Homes (\$17 million) and Marshall Homes (\$11.2 million).

Other developments in 2010 included a new retirement home (\$18 million) and renovations to Lakeridge Health Oshawa (\$3.5 million). Academic growth stood at the forefront behind residential activity with a \$14.5 million expansion to University of Ontario Institute of Technology, another \$14.5 million expansion by Durham College and the \$6 million new campus for Trent University.

**“Oshawa experienced the
SECOND HIGHEST
residential permit value
in any recorded year,
just behind 2006”**

The renovated **Civic Recreation Complex** – part of the \$17.4 million secured for infrastructure projects – has the potential to become one of Ontario's most sought after sport training and competition facilities for a variety of field and ball sports and for the track and field community. The Field House development will include an international FIFA size artificial turf playing field, batting cages, changerooms and perimeter spectator seating.

Development outdoors will include artificial and natural turf fields, superior track & field related amenities and seating for 2,000. The opening is scheduled for fall 2011.

“Oshawa Will Post The Third Highest Growth Rate In The Country”

CONFERENCE BOARD OF CANADA

THE YEAR AHEAD

In the winter 2011 edition of The Conference Board of Canada’s Metropolitan Outlook, only Windsor, Calgary, Oshawa, Regina, Saskatoon, London, Sherbrooke, Winnipeg, and Thunder Bay can expect higher real gross domestic product (GDP) growth this year than in 2010. The Board predicts that Oshawa will post the third highest growth rate in the country this year, with GDP expected to rise by 3.5%.

2011 looks equally busy, as 404 single homes, 124 townhomes, 78 semi-detached homes and 376 apartments have been registered for development, while another 512 are expected to be registered. A large expansion to the Taunton Medical Clinic, new hangars at the airport, the Oshawa Hospital Foundation Cancer Lodge and a retirement residence are also expected developments in 2011.



EAST REGIONAL BUS MAINTENANCE AND STORAGE FACILITY

In 2011, construction will start on GO Transit’s East Regional Bus Maintenance and Storage Facility. The 200,000 square foot bus maintenance and storage facility at Thornton Road and Wentworth Street will be designed and built with the aim of achieving LEED Silver certification. It will incorporate a number of energy and cost effective systems and environmentally-friendly materials and be home to a repair shop, equipment storage, a bus wash, a fuelling depot, a body shop, office space and a wellness centre for its 150 employees.

THE YEAR PAST

Dr. Ed Waller's Radiation Triage Mask (RTM) invention received **confirmation of its United States patent**. Dr. Waller is a professor with the Faculty of Energy Systems and Nuclear Science at UOIT, and a Canadian delegate with the NATO working group investigating radiation bio-effects and countermeasures. The RTM has the ability to quickly identify and assist with treatment strategies for those who have been exposed to radioactive isotopes.

The **Downtown Commercial Vacancy Rate** **dropped** to 11.1% in 2010 from 19.8% in 2006. Development in the downtown is being driven by the introduction of a downtown campus of UOIT and **Channel 12/CHEX TV**, and new businesses like Omni Jewelcrafters. The Durham Region Courthouse and General Motors Centre are also attracting new developments.



THE OSHAWA AIRPORT: FROM OSHAWA TO KNOXVILLE AND BEYOND

Oshawa's executive level regional airport includes a new aircraft hangar complex on 9 ½ acres. The "hangarminium" complex is designed to accommodate over 100 aircraft ranging from recreational aircraft to corporate turbo-props and jets.

Tri-Went Industries is one of the airport's newest corporate users. Company President and General Manager Ross Mathews flies his Cessna Mustang VJ almost weekly between his office in Durham and the company's sister plant in Knoxville, Tennessee. With a flight time of just 1 hour and 45 minutes between plants there is no such thing as an absentee manager in the Tri-Went model for growth.

Canada's First Opens in Oshawa



THE YEAR AHEAD

Buffalo Wild Wings enters the Oshawa market as the first of its kind in Canada. Headquartered in Minneapolis, the firm boasts over 680 locations in 43 states. [Pictured on left: Regional Manager Robert Stewart and General Manager Carol Law help break ground at the new site on Harmony and Taunton Roads].

Oshawa continues to grow and diversify its economy. **IQT Solutions** is a world leader providing integrated customer care and business process outsourcing solutions to Fortune 500 enterprises. With its global head office located in Oshawa, IQT is looking to expand in 2011.

EV Fern Ltd is an Oshawa based electric vehicle battery company that offers high power energy storage for the electric vehicle.

GENERAL MOTORS OF CANADA is back in full swing with 1,300 new jobs in Oshawa. In addition to calling back all of its workers, the Oshawa plant added an additional 300 workers in two new shifts. Currently the Impala, Camaro hardtop, Camaro convertible and the Equinox are produced in Oshawa; production of the new Buick Regal will begin in late 2011.

Chevy Equinox





THE YEAR PAST

Fest-Quality Films Seen Weekly in Oshawa.

A cosmopolitan film series – Cinechats – the sort normally found only in much bigger cities, brings the best films from around the world to Oshawa. About 50 new films were shown last year by Artsforum Magazine's film critic John Arkelian. Among these were the Swedish film *The Girl with the Dragon Tattoo*, French film *Le chant de mariees*, and UK's *The Commitments*.

Oshawa Campus Hosts Bestselling Author.

The first Trent Alumni Lecture to be held at the Oshawa Thornton Road campus was the award-winning author Dr. Robert Wright. Dr. Wright is a Trent alumnus and the author of five books including two national best sellers – *Our Man in Tehran: Ken Taylor* and *The Iran Hostage Crisis* and *Three Nights in Havana: Pierre Trudeau, Fidel Castro and the Cold War World*. Trent's new lecture halls also double as community venues for guest speakers, performances and other community activities.

Artscape Comes to Oshawa.

The City invited Artscape to Oshawa in November 2010 to host a workshop at The Robert McLaughlin Gallery to identify tools and resources to promote culture-led regeneration and city building, through arts and culture. Artscape has experience and expertise for successfully transforming under utilized buildings across Toronto into dynamic community assets, such as the Wychwood Barns and Distillery District. Using experts and real-life examples Artscape showed attendees how the creation of space together with partnerships can foster, grow and enhance the creative economy. The event was well attended and has ignited new initiatives and opportunities throughout Oshawa for the creative class.



Powerful WOMEN

Another Positive Impact
of Post Secondary Education

- **Ellie Garrett**, a Durham College Public Relations graduate, is currently a senior vice-president at Farm Credit Canada in Regina; she was recently named one of Canada's 100 most powerful women by the Globe and Mail.
- Oshawa native and UOIT rower **Shannon Galea**, a first-year Education student, was recognized as one of the top female scholar athletes in Ontario University Athletics (OUA); she was also the first person to represent UOIT at the OUA Squash Championships.
- By mixing her Health Sciences studies with research opportunities and an internship at OPG, **Jessica O'Brien**, UOIT class of 2010, became the first-ever Canadian student to receive the United States based nuclear safety Roy G. Post Foundation Scholarship.
- **Elaine Garnett**, graduate of an Advertising Administration program, is the General Sales Manager of Channel 12 – CHEX TV Durham and is a recipient of Durham College's Alumni of Distinction Award.
- **Dr. Nawal Ammar** is Professor and Dean of the Faculty of Social Science and Humanities - a department that has grown significantly at UOIT. Her work has been used in United Nations Reports and has authored and co-authored several reports for the United Nations. She has garnered more than \$1 million dollars in grants from private, state and national sources of funding.



THE YEAR AHEAD

Cancer Lodge to Complement Cancer Centre.

The Charles R. Powers Cancer Lodge is about to become a reality with construction starting in 2011. With the opening of the R.S. McLaughlin Durham Regional Cancer Centre in 2007, Lakeridge Health Oshawa offers chemotherapy, surgical oncology, radiation, palliative care and cancer genetics to patients. Outpatients travelling from hours away have had to either drive back home after each exhaustive therapy treatment or stay overnight in a nearby motel. Not so anymore!

A Landmark Deal: the Oshawa Harbour.

A landmark deal between the City and the federal government was signed in 2010 in regards to the Oshawa Harbour. Three historic issues were put to rest: governance, land use and land ownership. Now the port can move forward as a Canada Port Authority and the City can focus on creating a master plan for the waterfront. The City's development will likely contain park lands adjoining Lakeview Park, the redevelopment of the Oshawa Marina and new residential development.

The Rise of Sports Tourism.

2010 brought numerous sporting events to Oshawa, including: Canadian Intercollegiate Baseball Association Nationals, Actifest Ontario Senior Games, OCAA Women's Fastball Fall Classic, CIBA Ontario Baseball Finals, David Stewart Men's Basketball Tip-Off Tournament, 21st annual Women's Basketball Big 8 Classic, DC Adidas Cup Volleyball Tournament, and Oshawa Girls Hockey Spring Classic.

New events in 2011 include: BDO Canadian Open Curling, CCAA Men's Basketball National Championship, 2011 Rookie Hockey Tournament, the OSGA Ontario Pickleball Open Tournament, and WSSA Ontario Sport Stacking Championships. In addition, Oshawa residents excitedly await the 2013 Senior Women's Field Lacrosse World Championship and the local sporting events for Toronto's 2015 Pan Am Games.

The Right People. The Right Connections. The Right Place.

Development Insider

Expanding or relocating? Talk to us about how you can become part of this amazing City.

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