



SSMART Awards return, June 23

Do you know someone who deserves to be recognized for their exceptional work in the science, research and technology fields? Whether they're a local company, researcher, teacher or, student, they're eligible for a SSMARt Innovation Award. The 6th annual SSMARt (Sault Ste. Marie and Algoma Region) Innovation Awards are back and better than ever. The Sault Ste. Marie Innovation Centre (SSMIC) and its sponsors are pleased to present this annual event honouring regional companies and influential individuals for their innovative use of science and technology. Local individuals and companies will be recognized for their contributions to the science, research and technology sectors of the Algoma district.

The annual awards gala will be held on the evening of June 23, 2011 at The Grand Theatre in Sault Ste. Marie. Members of the community are invited to attend this dinner event and join SSMIC in recognizing the tremendous local talent we have in our science and technology sectors. Tickets are \$30 and must be purchased in advance. Ticket information is available in the SSMARt Innovation

Awards section of the website: www.ssmic.com/awards

"This is our sixth year holding the SSMARt Innovation Awards and we're pleased at how much the event has grown over the years," said Tom Vair, executive director, SSMIC. "Every year we're proud of all of our nominees and winners and the great work they're doing in our local science and technology sectors. This is a wonderful opportunity to honour the contributions of individuals and companies in the Algoma district and we encourage everybody to submit a nomination for innovation leaders in our region."



Nominations are now open for the eight awards categories:

Innovation Company of the Year:

Acknowledges a company's leadership through the innovation of its science and/or technology products, services or research, the sustained growth of its assets and its dedication to community involvement.

Innovation Leader of the Year:

Acknowledges an IT and/or science leader/manager/executive whose leadership and/or creative use of science and/or technology has helped to advance their organization, to improve client/customer services and have a positive impact on the IT/science community.

Innovation Student/Graduate of the Year:

Acknowledges an individual who has made a substantial contribution to the science and/or technology sector through his/her university/college work.

(Continued on page 2)

Ontario Government Selects Rentech's New Renewable Jet Fuel Project for Long-Term Supply of Biomass from Crown Forests

Rentech, Inc. recently announced that is proposed Olympiad Renewable Energy Centre (Olympiad Project) in The Township of White River, Ontario, has been selected by the Province of Ontario for a proposed supply of up to 1.1 million cubic metres (1.3 million U.S. tons) per year of Crown timber. The wood supply, composed primarily of forest waste and unmerchantable species, would be used for the sustainable production of renewable RenJet^(R), Rentech's clean certified low-carbon jet fuel.

The project will bring much needed employment to a region that has suffered significant job losses in recent years and revitalize a struggling forestry sector, while contributing to Ontario's growing high-tech bio-energy economy. The project will leverage local sustainable

forestry expertise, employ an estimated 83 full-time employees and create over 300 indirect and induced positions. During peak construction, Rentech expects the project to employ up to 1,000 workers.

Renewable RenJet and naphtha to be produced at the Olympiad Project are estimated to reduce approximately 600,000 metric tonnes per year of CO₂-equivalent from the atmosphere compared to the same products produced from petroleum. This equates to removing more than 100,000 passenger cars from the road. Production of RenJet from forest waste and unmerchantable species at the Olympiad Project has the dual benefit of reducing greenhouse gas emissions and providing Canada with a domestic supply of certified low-carbon jet fuel.

Inside This Issue

<i>SSMARt awards continued</i>	2
<i>Friends of SSMIC save on OSEA Webinars</i>	2
<i>Eye on Marcus Scornaienchi</i>	3
<i>ProtoLaunch workshop draws record interest</i>	3
<i>Intel begins manufacturing 3-D transistors</i>	3
<i>Upcoming Events</i>	4

(Continued from page 1)



Above: 2010 'Best Website' winner Darren Jorgensen of Molly Media Studios with designer Jessica Welding from Fuzednotions

Innovation Youth of the Year:

Acknowledges an individual up to grade 12, who has made a substantial contribution to the science/technology sector through education, volunteering or sheer passion for the industry.

Innovation Project of the Year: Acknowledges an organization whose IT/science project demonstrates leadership and/or creative use of science/technology.

Best Online Presence Award: Acknowledges the people and/or organizations within the Algoma District responsible for

developing the most effective online presence whether it is a website, blog, social media or combination of web based applications. This award is open to both organizations and Web design companies.

Innovation Researcher of the Year: Acknowledges a researcher who has made a substantial contribution to the science/technology sector.

Innovation Educator of the Year:

Acknowledges a teacher or professor who has made a substantial contribution to the science/technology sector through education, volunteering or sheer passion for the industry.



Above: 2010 'Innovation Company of the Year' winner Ted Curry of Superior Energy Solutions.

Applications are welcome from companies who reside and/or have operations in the Algoma district. Self nominations are also encouraged. The deadline for entries is May 20, 2010. Details and nominations forms are available by emailing awards@ssmic.com or visiting www.ssmic.com/awards.



Above: 2010 'Innovation Leader of the Year' winner Dr. Basil Arif of Natural Resources Canada

Ticket sales will begin soon and must be purchased in advance. There are also still sponsorship opportunities available. For more information visit www.ssmic.com or contact Jonathan Coulman at 705 942-7927 ext 3122 or jcoulman@ssmic.com.

Save 50% on upcoming webinar on Ontario's FIT program

OSEA Webinar Series: OPA Feed-in Tariff Review - Discussing the Future of FIT (Friends of SSMIC receive 50% off.)

The Ontario Sustainable Energy Association (OSEA) is a province-wide, member-based, non-profit organization representing more than 1500 individuals including private citizens, cooperatives, farmers, First Nations, businesses, institutions and municipalities. OSEA members are engaged in or supporting Community Power projects and renewable energy.

OSEA hosts a webinar series for individuals and organizations to learn more about alternative energy solutions and issues in Ontario. Through an agreement with OSEA, friends of SSMIC receive a 50% discount on the webinar series. When registering for an OSEA webinar, use the code 'SSM_Innovation_Centre' to receive the discount.

The next webinar in the series will look at the future of the FIT program in Ontario. The Ontario Power Authority is expected to begin its review of the Feed-in Tariff programs this summer. To mark this occasion, the Ontario Sustainable Energy Association has gathered a panel of experts on Ontario's Green Energy Act and Feed-in Tariff programs as well as project developers and proponents for a discussion on how the FIT programs should evolve. Join us on Thursday, May 26th, for an engaging conversation on what may be expected from the review, initial recommendations from leading experts and an opportunity to make your own suggestions.

For more information on the Ontario Sustainable Energy Association, please visit their website at

<http://www.ontario-sea.org>

OSEA Webinar Series:

OPA Feed-in Tariff Review - Discussing the Future of FIT

May 26, 2011 from 10:00AM - 11:30AM

Register online at <http://oseawebinars.eventbrite.com/>

Discount code:
SSM_Innovation_Centre



Eye on Marcus Scornaienchi

Science
Spotlight

Marcus Scornaienchi is a new addition to the SSMIC team. Marcus joined the organization in early April as a Water Sustainability Research Intern. He will be working with Paula Antunes on a number of projects.

Born and raised in Sault Ste. Marie, Marcus is a graduate of McMaster University, holding a B.Sc. in Biochemistry and Biomedical Sciences and an M.Sc. in Aquatic Toxicology – Biology.

Since joining SSMIC, Marcus has been working to raise the profile of SSMIC's water research program by preparing papers for publication, primarily on heavy metal toxicity in aquatic environments. He was drawn to the position because it matched with his area of expertise.

Says Marcus, "The position fits with my career goals of specializing in aquatic toxicology research," says Marcus. "Being able to help getting scientific papers out, meet contacts and write grant proposals are all great first steps "



Having come from an academic research background, Marcus has found it to be an interesting transition to the Innovation Centre.

"It's a change from working at a core lab. Here we're gathering research data from all different sources. However, it's not a bad change because sometimes the repetitiveness of lab work can get tedious."

"With all the writing and editing that is involved in this position it forces you to learn more about the various scientific techniques and really understand them."

Having enjoyed his time at SSMIC thus far, Marcus is looking forward to taking up residence in the soon to be completed Biosciences and Technology Convergence Centre and continuing to learn about the various projects and scope of activities underway at SSMIC.

ProtoLaunch workshop draws record interest

At the end of April, 35 high-school students spent their weekend learning the art and science of making video games from two of the industry's best. Ben Mattes and Matt West from UbiSoft Games were in the Sault to pass along their knowledge to the students as part of the ProtoLaunch program.



Ben Mattes helped kick-off ProtoLaunch in 2009 as the program's inaugural keynote speaker. Mattes is a Creative Director at UbiSoft's Montreal Studios, one of the largest development studios in the world. For four years Ben focused on the Prince of Persia universe, leading the production of The Two Thrones, Rival Swords, as well as 2008's instalment, "Prince of Persia".

Matt West is the Director of Level Design for Splinter Cell 6 at UbiSoft Toronto and has been working in the games industry for 10 years. Previous to joining UbiSoft, Matt worked at Rockstar Games as a Director of Technical Design on titles such as Grand Theft Auto IV and The Warriors.

During the two day weekend students worked in teams to develop a video game from concept to a playable version. 'Awesome workshop' said Matthew

Doherty, one of the students in attendance. 'I liked how we got away from the computers to some more basic, fundamental skills.'



Having both Ben and Matt as facilitators meant that the students benefited from not only their combined expertise, but they also got a lot of one on one time instruction from both. Says ProtoLaunch coordinator Dwayne Hammond, "Of the dozen or so workshops we've held, this was the first one to feature two guest facilitators from a major studio. To have two speakers of Ben and Matt's caliber was really exciting."

ProtoLaunch is funded with a \$461 800 grant from the Ontario Trillium Foundation. During the school year a series of free ProtoLaunch workshops are held featuring expert guest speakers from the gaming industry. Guest speakers have come from game studios such as UbiSoft, Electronic Arts, Rockstar Games, Digital Extremes, Flashbang Studios, Bedlam Games and Enemy Airship. When the school year ends, the five-week game design competition begins. In addition to having the chance to win prizes, participants in the competition are paid for their time (40 hours per week)

and gain a unique summer job experience.

ProtoLaunch is run in partnership with SSMIC, Algoma University, Sault College of Applied Arts and Technology, YMCA Employment and Community Services, Anishinabek Information Technology Centre (AITC) and Children's Rehabilitation Centre – Algoma. The program has initially been funded for three years: 2009-2010, 2010-2011 and 2011-2012.

UPCOMING EVENTS:

MAY

Sault Ste. Marie Innovation Centre

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- **May 12, 2011**
Innovation Breakfast
Gran Festa Ristorante
Contact mward@ssmic.com

- **May 18-19, 2011**
OCE Discovery
SSMIC & Local Companies attending
provincial innovation conference

- **May 23, 2011**
Victoria Day Holiday
SSMIC Offices closed

- **May 26, 2011**
OSEA FIT Webinar Series:
Discussing the Future of FIT
oseawebinars.eventbrite.com

- **May 27, 2011**
TAG Luncheon - TBD
Contact mpratt@ssmic.com

Visit www.ssmic.com to view an
updated calendar of events.

For more information
about any of the events
or to RSVP contact

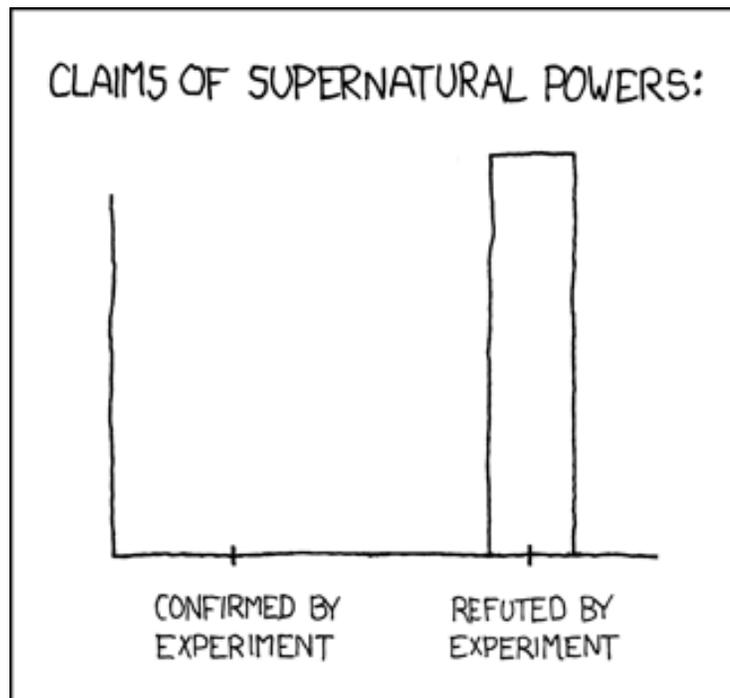
Jonathan Coulman at: 942-7927
X3122 or jcoulman@ssmic.com.

Verbatim

“The question of whether computers can think is just like the
question of whether submarines can swim.”

- Edsger W. Dijkstra

The Data so far...



<http://xkcd.com>

Intel begins manufacturing 3-D transistors

In what it calls a radical shift in semiconductor technology, Intel Corp. said it will start fabricating a new breed of three-dimensional transistors.

The company says the next generation of its widely used microprocessor chips will break from the standard practice of creating circuitry in two dimensions on silicon wafers. Instead, Intel plans to fabricate transistors that rise up vertically

from a wafer's surface, an approach that's similar to the way high-rise buildings pack more office space in a city.

Intel says the shift to 3-D transistors will bring a close to 40% increase in performance while requiring only half the power of the company's existing production process. Intel first discussed the underlying approach in research papers in 2002.

The first chips based on the Tri-Gate transistors, which use the code name Ivy Bridge, are slated for "high-volume readiness" by the end of 2011, the company says.

Are you an entrepreneur or part of a SME that would like to be profiled in a future edition of Eye On Innovation?

Contact: mward@ssmic.com

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