

Architecture

ARCHITECTURE
from Page 3

This brings me to answer the next big question – why Cambridge? We are proudly Waterloo's first satellite campus and are improving the quality of life there for the students and the Cambridge community exponentially with each passing year. Rick Haldenby, director of the School of Architecture, can tirelessly re-tell the story of how Cambridge's mayor (and thus city) requested for the school to move there, so I won't steal his thunder. The only point I'd like to get across is that it really isn't so bad.

As a community with very similar goals and therefore very understanding individuals, the school always embraces busy schedules, sleepless nights, and varying interests. Respectively, there are always staff members readily available to help when you need it, Red Bull and Pancake sessions during deadlines, and everything from 3-on-3 basketball tournaments to weekly pool challenges at the local "pool hall". So if you ever feel a slight longing for what (main) campus life might be like, remember that you are in the fortunate position of being part of a family. This is a group that will know not only your name, but your interests, strengths, weaknesses, and, inevitably, things about you that you'd rather not mention again. And we will embrace you for those little idiosyncrasies and midnight ramblings with the odd show-tune performance.

Now, why are we here? In this world, on this Earth, I do not have an answer (you might, after 3rd year cultural history. Or you can make friends with an Arts major) but I can tell you that you are here for an experience. The next 5 years will be a time that will teach you, reveal you, and change you. You are here to grow as students, architects, and ultimately people. From trips to New York, to studio deadlines, to your first co-op, and Rome, there is always something to look forward to.

I can almost guarantee that you will discover how to work on no sleep and surmounting amounts of pressure, draft like a machine, sleep in the most obscure positions at the most unnatural of times, read a book (or more) a week, replace pictures of people with buildings, and find a way to go through 40 GB of music and be bored of it every last song. But above all, I guarantee you will discover something about yourself. Be proud of your accomplishments and remember that people have been there and made it through – and if we didn't think you could too, you frankly wouldn't be here!

Before writing this, I mused with a friend that I could write just about anything and the first-years just take my word for it, and wouldn't re-read the article in 8 months, saying, "Andrea, you were lying when you said this would be fun." But I sincerely mean every word I've written and hope that one day, even if not at the end of 1B, you will believe me when I say you deserve to be here and there is a reason for it. It most likely will not be the same as someone else's, but at one point, you will understand! In the meantime, welcome to the Architecture School – it's going to be wild.

ARCHITECTURE
WATERLOO ARCHITECTURE CAMBRIDGE

STUDENT CLUBS AND TEAMS

R3Design

DAVID KADISH
3N SYSTEMS

Engineering has a noble tradition of improving the quality of people's lives by pushing the boundaries of human ingenuity and creative power. For centuries, engineering has been central in building bridges to connect people – first physical bridges and then the metaphorical bridges of modern telecommunications networks.

The next great challenge facing the world is the scarcity of resources. If the entire world lived as Canadians do, we would consume the resources of 3.5 Earths. The challenge to engineers is finding new ways to use and re-use resources more effectively and in ways that do not degrade our other natural resources.

We all have a role to play in this. Chemical and Nanotechnology Engineers can help to find new processes and materials that are environmentally benign. Mechanical and Mechatronics Engineers can help to design new energy capture and storage systems so that we can better manage our available power. Electrical, Computer and Software Engineers can help to design the hardware and software that will control our resource management systems. Civil, Environmental and Geological Engineers can help design new buildings and cities so that they interact positively with their natural surroundings and inform their inhabitants about the natural history of the location. Systems Design and Management Engineers

can help to identify needs and bring the components together to form a more effective whole.

R3Design is about bringing people together to tackle these challenges. Started in February of last year, R3Design's mission is to gather people from all faculties who care about their effect on the ecosystems around them to discuss and ultimately participate in design projects to improve that effect. We discuss the meaning of "ecological design" and how one can focus on the ecological effects of a product, a process or a policy.

This fall, we will also be embarking on our first design project. We will be designing a living set – desks, chair, bed, shelving – for university students. We will be focusing on portability and ultimately being able to fold the entire set into a single box for transport. We'll also be addressing the materials involved in the set and their lifecycles, as well as the set's ergonomics.

With that, I'd like to invite you to visit our web site at www.R3Design.org or e-mail us at president@r3design.org to get on our mailing list. Our first meeting will likely be on Thursday, September 18th at 5:30pm at a location to be announced shortly. We are always open to hearing your thoughts and project ideas and helping to get them off the ground.

I look forward to seeing you at the term's first meeting!

David Kadish
President and Founding Member, R3Design

Impact

STEPHEN SIU
4A SYSTEMS

When most people hear the word entrepreneurship, they automatically assume it involves starting a business. Contrary to this commonly accepted definition, Impact believes the term embodies something bigger – a mindset towards life that can help achieve any dream, no matter what it is. Impact promotes the entrepreneurial spirit, an attitude and way of life which embodies 3 key components: ambition, passion and determination.

Today Entrepreneurship in Canada is not being encouraged or promoted enough to youth through our education system. As students move through school, there is a lot of pressure to maintain grades, pursue higher education and find a corporate position after graduation. Impact believes that students should have the opportunity to be their own boss and explore the field of entrepreneurship.

With this vision, Impact supports a variety of programs to bring youth to the forefront of entrepreneurship in Canada. This year, Impact will be hosting Entrepreneurship Week Canada and the National Conference.

Entrepreneurship Week Canada joins 56 other countries around the world to participate in Global Entrepreneurship Week 2008, a worldwide effort to bring like-minded people together to promote and celebrate the spirit of entrepreneurship. From November 17-23, business leaders, young entrepreneurs and organizations will join the celebration and help run and participate in events dedicated to inspiring, educating and empowering youth. For more information about the campaign visit www.eweekcanada.com.

Impact's foundation and flagship event, the Impact National Conference, will be running for its 5th straight year and is the pinnacle of Entrepreneurship Week Canada. The conference takes place on November 21-22nd at the Westin Harbour Castle in the heart of Canada's business Capital, Toronto. The top 500 youth leaders and entrepreneurs from across Canada will gather to learn, discuss, and network with their peers and distinguished members of the Canadian Society. Are you a one of the top 500 youth leaders? Apply today at our website www.conference.impact.org!

About the Impact Entrepreneurship Group:

Impact is Canada's largest non-profit, student run organization committed to promoting entrepreneurship among youth across Canada. Impact is dedicated to helping youth realize their potential by connecting people, knowledge and ideas. Impact strives to be the voice of youth entrepreneurship in Canada today. For more information about the organization or our programs please visit www.impact.org.

STEP

LAWRENCE YEH
2T CIVIL

The Sustainable Technology Education Project (STEP) is a student-driven organization that aims to promote and demonstrate renewable energy solutions. STEP has developed many initiatives, such as the Photovoltaic Solar Array on the roof of Federation Hall. STEP is currently in the process of implementing a solar thermal installation at the Village 1 residences, where it will be used to heat the water in the cafeteria, showers, and bathrooms. On the horizon, there are plans to install a wind turbine on campus, as well as a micro-hydro installation.

Undergraduate and graduate students of all faculties are welcome to join STEP, as there are activities that cater to everyone. The diversity of STEP's membership has always made things fun. With STEP, you will learn valuable transferable skills, you will learn about renewable energy and other sustainable technologies, and you will meet lots of cool people. A fun, engaging working environment is one of the main reasons why students join STEP. Besides, being green has never been cooler – and we all want to be cool, right?

UW Sustainability Project

ROB BLOM
'08 MATH

The University of Waterloo Sustainability Project (UWSP) is a multi-disciplinary, multi-opportunity FEDS environmental service. Any student with any environmental interest, whether critical, project-oriented or with interest in research, is welcome to join UWSP and partake in what it has to offer.

UWSP is very dynamic and flexible to your interests, time commitments and course requirements. We are a student service on campus, and are thus designed with a student lifestyle in mind. Whether you are interested in the executive board, campus or community activism, or joining a community of students that have come together with a common sustainably-focused agenda, there is a volunteer position for you. If your ideal project does not fall under one of our working groups, you are invited to create your own group and work toward your own goals with the help of volunteers and support of UWSP. Those that fall in this category are also encouraged to incorporate their project idea with the faculty of Independent Studies, and work hand-in-hand with IS and UWSP.

If you see an opportunity for progressive, environmental change on campus, or you think your course can be linked to help improve the campus environment, we can provide the resources, support and networking to make it your environmental ini-

tiatives successful.

With some help from us, you can work with other students from other faculties and work with professors who share your interests; all of which will bring an interesting perspective, level of expertise and guidance into your project.

Students will be working independently under the name of the UW Sustainability Project office on any projects, alone or in a group, that relate to creating a more sustainable environment at UW. The purpose of UWSP is to provide the opportunity for interdisciplinary student research. Students will be able to apply what they learn in their classrooms into real life examples on campus to solve environmental problems or improve the sustainability of the campus environment.

We also heavily advocate those groups on campus with similar mandates that focus on environmentally – and ethically – friendly activism. We help build the link between environmental issues and social justice, and connect with various campus groups to become an established, progressive and linked student community service.

We already have many events and volunteer opportunities come Fall, so drop by our office in room SLC 3102 anytime during office hours. Be on the look-out for UWSP on Clubs and Services Day in the SLC. We encourage all environmental ideas and work toward a greater environmentally-conscious community on campus.

Waterloo Space Society

NANCY SOONTIEN
'08 APPLIED MATH

If you're interested in rocketry, aerospace, astronomy, skydiving or anything else space-related, then the Waterloo Space Society is a club for you! Our events are focused around all of these fun topics and more. We are a campus-wide organization with members from all faculties committed to increasing awareness of space-related research and the excitement of the aerospace industry. The Waterloo Space Society is a chapter of several other independent space organizations including SEDS, CASI and the Mars Society.

Some highlights from recent terms include:

-Skydiving at the Grand Bend Sport Parachuting Centre

- Visit to the Ontario Science Centre
- Model rocket launches
- Guest speaker, Melissa Battler, commander of FMARS 2007
- Visit to the Controlled Environment Systems Research Facility at the University of Guelph
- Discussions on terraforming Mars and human space exploration
- Guest speaker, Bob Richards, founder of the International Space University and Odyssey Moon Ltd.
- If you are interested in gaining leadership experience as an executive then please contact waterloospacesociety@gmail.com for more information. Feel free to visit our website <http://spacesoc.uwaterloo.ca> and join us for our first executive meeting Wednesday, September 10th at 5:30pm in E2 1306D.