In This Issue...

The View from Goodwin Hall .......... 2
Greetings from COMPSA .............. 3
QGCS ................................................. 4
45th Anniversary Celebration ........ 6
Farewell to Mary McCollam .......... 9
School Awards .............................. 10

In The News...

David Skillicorn on Internet Security ................................................. 5
QUIC Celebrates 5 Years ............................................................... 5
ECOO East Regional Programming Contest 2014 ......................... 5
Android App Workshop ................................................................. 8
Flappy48 Takes Off ................................................................. 8
Perk and EQUIS Labs at the Science Rendezvous ......................... 9
Creative Computing 2014 ......................................................... 9
Dear friends,

This year marks the 45th anniversary of the Queen’s School of Computing. On this occasion we celebrate a School unique in its quality, unique in its spirit, unique in its people.

We celebrate a School with a strong commitment to excellence in education, research, and service. As you know, the School offers undergraduate and graduate programs of exceptional quality, diversity, innovation, and reach. Our undergraduate students excel in academics and volunteer activities, while also contributing to our research enterprise.

Our graduate students shine at every opportunity, receiving internal and external scholarships, and winning international prizes and best paper awards. We are actively engaged in research on a broad range of topics, with an eminent research record. Research performed in the School’s 22 laboratories spans the spectrum of conventional computer science, while at the same time exploring non-standard areas of computation.

Our faculty are outstanding scientists, leaders in their fields of specialization, creators, innovators, and brilliant contributors to knowledge in computing science at large. Internationally renowned, they are regularly sought by industry and the media for their expertise.

The School’s support staff make a contribution that is essential to the School’s mission. Over the years, ten members of the School staff have been recipients of the highly coveted Queen’s Special Recognition Award.

An anniversary is an occasion to celebrate our past accomplishments and highlight our successes. But more importantly, an anniversary affords an opportunity to look at the future.

Recently, a reporter asked me how I envision our field five years from now; an incredibly difficult question. My only prediction is that computers will be even more ubiquitous, more powerful, more versatile, and more inconspicuous than they are today. And that the people who use computers as extensions of their minds to solve society’s problems and overcome the many challenges confronting humanity, these computer scientists will be even more informed, more talented, and more creative than ever before. Many of them will be graduates of the Queen’s School of Computing!

Very best wishes for 2015,

Selim Akl
Dear Alumni and Friends,

It is hard to believe that summer is over and the new school year has begun. I am extremely excited about this coming year and cannot wait to meet the incoming class of 2018. It is an honour to address you as the President of the Computing Student’s Association, where I hope to be able to lead council through a productive year.

Our Orientation Committee is burning with excitement as we approach orientation week. They have been preparing since November to welcome up to 150 new Computing students to Queens. The LAN Party, one of the students’ favourite annual events, will be even more amazing this year as it is being sponsored by Valve Software.

One of COMPSA’s key goals this year is to open up the dialogue between faculty, staff, and students. As enrollment increases and our not so small community expands, we hope that by working together with the School of Computing, as well as Arts and Science, we can provide students with the resources they need to succeed.

As an ongoing initiative from last year, our Academic Affairs Commissioner will be organizing group tutorials for the majority of Computing courses each semester. We received mass praise from students and faculty last year and hope to continue this important work.

With University comes stress, so COMPSA is organizing many financially accessible events to provide students with a time to relax and have fun. We hope to see a strong turnout of faculty and students at our popular events such as Computing trivia night at Clark Hall Pub and the Computing Night out on September 26th. We will also be hosting some internship events with Google and Microsoft!

Our COMPSA Site Services (CSS) team has been working extremely hard over the summer to provide student groups with websites. With the start of the school year they will be launching the new ASUS website, multiple CESA websites, and the AMS assembly website, just to name a few. This service provides students and faculty on campus with excellent websites while providing students with paid development, web design, and management experience. With over 10 developers, CSS is looking to help even more people make websites. Check out our own website for details!

This year’s COMPSA Council is a group of amazingly talented students who strive to give back to their community. Our ultimate goal is to make a positive impact on each student’s University experience this year.

Erin Gallagher
Friends of the School of Computing,

It is with great pleasure that I get to address you as one of my last acts as the President of the Queens Graduate Computing Society (GCS). For the past year I have had the pleasure of working with an enthusiastic team of volunteers to help plan social events, lobby on behalf of students, and act as resources for incoming students.

Some highlights of our year include our Halloween Party and Costume Contest, which brought out some rather interesting characters, our trip to Putt N’ Blast, which allowed equal opportunity to both putt and blast, as well as a number of movies nights and a board game day. One of the things we strive for is to offer the events that people want – so current and incoming grad students reading this, make sure to contact the incoming GCS Council and let them know what you want to do.

In addition to these trips and events, GCS aims to foster a welcoming social environment for its members, starting from our annual orientation to welcome and prepare incoming students, to our weekly coffee breaks and Euchre Fridays. As the largest graduate program at Queen’s it is important to keep the concept of the School of Computing family alive.

As usual, our largest undertaking was the annual Queen’s Graduate Computing Society Conference (QGCSC), which went through its 5th iteration this year under the leadership of Shadi Khalifa and his team of volunteers: Cheryl Savery, Aleem Khalid, Tauhid Islam, Emese Somogyvari, and Doug Martin. The conference went off without a hitch, and saw some interesting keynotes and a number of great student talks. QGCSC is a great opportunity for our students to share their work with peers, in order to foster discussion and possible collaboration. I look forward to seeing what the future of the conference will be.

As I mentioned, writing this letter is one of my last acts as President of GCS. I would like to thank the Graduate Students, Faculty, Staff, and Friends of the School of Computing for making this School such a wonderful place to be; it has been my pleasure to work with each and every one of you. To my successor, Ben Cecchetto, and his team, I wish you the best of luck. Carry on this great new tradition, and help keep the sense of closeness in the School of Computing what it is, and has been.

Eric Rapos
2013-2014 Graduate Computing Society President


Greetings all!

I am excited for the coming year as GCS President. Last year we did a lot of great things together, and this year I’d like to continue building our sense of community. I have a lot of event ideas but would also like to hear yours. I pride myself on transparency and accurate representation, and the only way for that to work is if people voice their ideas too. We still have open positions for council members, so I think it would be a great idea to have another election for the open positions in September to give new and interested students a chance to be an active part of our department.

I’d like to thank Eric Rapos for all the great work he did last year and hope he continues to be a great voice for the students as a graduate student senator.

I hope that this year we can all make something really special together.

Benjamin T. Cecchetto,
2014-2015 GCS President

To see upcoming GCS events, check out queengcs.ca and facebook.com/queengcs
Dr. Jim Cordy named IBM CAS Faculty Fellow of the Year

Queen’s School of Computing Professor Jim Cordy received the IBM Centre for Advanced Studies 2013 CAS Research Faculty Fellow of the Year Award.

Dr. Cordy was particularly recognized for his dedication to preserving a high standard of academic and technical quality in the CAS Research community and CASCON. This is the second time Dr. Cordy has received this award, having been previously recognized in 2008.

In The News...

David Skillicorn on Internet Security

David Skillicorn has once again been in the news regarding internet fraud, hacking, spamming and all things suspiciously suspicious in the on-line world.

He states: “This has been the year when the penny finally dropped with the general public about problems with online security. Starting with the Target data loss just before Christmas, then the hacking of baby monitors, the Heartbleed vulnerability, and EBay hacks, Canadians have wanted to know how to protect themselves.

“Unfortunately, as tech-savvy people know, there is no silver bullet. The Internet is doing things it was never intended or designed to do, at scales beyond anything imagined in the 1980s. The best we can hope for is to harden our systems, and even here there are serious issues.

“One of the popular topics in the media this year was passwords. There are still many systems that have default (weak) passwords; the technology to crack passwords in small quantities is trivial; and many of the attempts to improve things amount to security theatre (use funny characters, change monthly). We don’t have working alternatives. There’s been some experimentation with using biometrics, but almost any biometric that’s easy to use is easy to spoof as well, including fingerprints and irises.”

Queen’s University Internship in Computing (QUIC) Celebrates 5 Years

Seven local high school students spent July and August working in the School of Computing under the School’s high school internship program, now in its fifth year. Each student was matched with a professor who supervised their work in a particular area. Projects were in varied areas including computer security, biomedical computing, data mining, web development, natural language processing, and gaming, among others. Students delighted in learning new programming languages, tools and methodologies as well as gaining insights into the important role of research. Some students had the opportunity to attend research meetings and conferences as well as participate in a workshop on building Android Apps offered by researchers in the School. We hope to see many of our interns in our first year program in a year or two!

“This internship has been a rare glimpse into the incredible research that is being done here at Queens. The exposure to new people and ideas over the past two months has been a profound experience. I’m thankful such a unique opportunity is available here at Queens and would recommend it to anyone who has an interest in the cutting edge of computing.” - Colton Barr

ECOO East Regional Programming Contest 2014

Queens School of Computing was proud to host the Educational Computing Organization of Ontario’s (ECOO’s) annual East Regional Programming Contest for eastern Ontario high school students on Saturday, April 26th. The three-hour event was held in prestigious Wallace Hall, where thirteen teams from schools in Ottawa, Brockville, Kingston, and Belleville were charged with finding working — and correct — solutions to four challenging programming problems.

Congratulations to the winners, Bell High School Team 1, from Ottawa. Many thanks to Richard Linley, coordinator, and his team of student volunteers, Andrew MacDougall, Mitch Mullings, James Peng, and Christian Gilberg.

Dr. Jim Cordy named IBM CAS Faculty Fellow of the Year

Queens School of Computing Professor Jim Cordy received the IBM Centre for Advanced Studies 2013 CAS Research Faculty Fellow of the Year Award.

Dr. Cordy was particularly recognized for his dedication to preserving a high standard of academic and technical quality in the CAS Research community and CASCON. This is the second time Dr. Cordy has received this award, having been previously recognized in 2008.
Just like old times - the camaraderie was GREAT! - Trudy Montgomery

Such a great time...amazing how several years apart vanished within 2 minutes of seeing each other again! - Rob Mahon

Thank you so much for the opportunity to get together with old friends and walk down the memory lane of our school days...We had great fun at all the events (plus a few of our own) and the demos were amazing! - Liz Hache
Homeward Bound

by Selim Ulug

Who says you can’t go home again? Of course you can. As proof, I present a recent reunion for our School of Computing. Our gang met there in the ‘80s. You remember that decade. Synth-pop, hair dryers, shoulder pads, Ghostbusters, Flashdance, The Big Chill. I’m about the only one I know who still thinks women’s shoulder pads look pretty cool.

We were graduate students in what was then a small department. We had offices! Offices! We shared them, four to an office. It was heaven. A terminal room down the hall provided a few of us at a time with access to the considerable computing power of a VAX 780 running BSD UNIX. We were living on the cutting edge.

We worked hard. Well, pretty hard. Most of the time. Our courses were intense and we only survived by helping each other. Teamwork in the face of adversity. It brought us that much closer together. Fridays were hockey in the winter and softball in the summer, followed by a few beers and some crazy dancing at the Grad Club, that tiny, multi-floored, dimly lit home away from home. Bill and Georgette, we loved you as you took us under the boardwalk.

Close friendships were forged in those days. Some of us even found spouses within the group. In some cases, despite getting off on not quite the right foot. When I found my office that September, I couldn’t help but notice it was blessed with a terminal. We didn’t have to go down the hall like all those plebes in my class. My wife came to my attention when she unceremoniously stole that terminal. She mumbled some thin excuse about it belonging to her lab. I was quite put out. Things got better.

Many of our group made it back for the reunion. Some of us live an easy two-hour drive away. One guy had an eight-hour drive. Another flew hundreds of miles. So yes, to some extent we’ve gone our separate ways. But you know what? When we were all together, back where it all started, the atmosphere was electric, and we picked right up where we left off. The nearly thirty years since we graduated melted away like a Dairy Queen ice cream left in the sun on a hot summer’s day.

With one exception. We finished the reunion weekend with a baseball game. After about five innings, us old timers were near to begging for mercy and we called it. And boy, those legs were stiff on Monday morning. A sign of aging? Maybe. But in our defense I’d point out that we stayed up past midnight. Two nights in a row!

There’s been adversity, of course, in the intervening years. For instance, many of us have had children. Even worse, some have had some real health scares, and have shown tremendous courage forging through them. It makes the rest of us all the more appreciative that we’re all still here.

Want to know the definition of a good friend? Here you go: Even if you haven’t seen them for weeks, months, years, or even decades, when you do see them, you pick right up where you left off and it feels like no time whatsoever has gone by, except that somehow you have more stories to tell each other.

Good friends, good times.
Fifteen local high school students learned what it takes to build and deploy Android Apps in a workshop offered at the School of Computing from July 22nd to 24th, 2014. Students used MIT App Inventor to learn the basics of coding and developed and demonstrated their mobile apps which included many games, a texting app, and an app to track a reading list. The workshop was instructed by Erik Koopmans (Queen's alumni). The students were treated to presentations by Shahrear Iqbal (PHD student) and Beth Hammond (high school intern) from the Queen's Reliable Software Technology Lab on Security in Large Scale Systems, Dr. Mei Nagappan (postdoctoral fellow, Software Analysis and Intelligence Lab) on Insights Gained from Mining the Google Play Market and Shadi Khalifa (PHD student, Database Systems Lab) on Big Data and Cloud Computing.

The workshop was organized as part of the ULySSes (Delivering Ultra-large Scale Services) project headed by Dr. Patrick Martin. In this project, we are investigating the challenges surrounding the delivery of ultra-large scale services such as those that are part of communications systems, e-banking infrastructures and e-commerce systems. The project involves several Queen's researchers including Dr. Mohammad Zulkerine, Dr. Hossam Hassanein, Dr. Ahmed Hassan, Dr. Jenny Zou and Dr. Kathryn Brohman as well as Waterloo researchers Dr. Ladan Tahvildari, Dr. Ashraf Aboulnaga and Dr. Paul Ward, and Western researchers Dr. Hanan Lutfiyya and Dr. Mike Bauer. The project is funded through an Ontario Research Fund grant from the Ministry of Research & Innovation and the Ministry of Economic Development, Trade & Employment as well as generous support from several industrial partners including IBM, Bell, Blackberry, Christie Digital, and IMS.

Android App Workshop

By Wendy Powley

The Kingston Whig-Standard featured Computing's 4th year student Dan Moran's Flappy48, an online game that combines the popular 2048 and Flappy Bird. Dan has recently graduated with a Bachelor of Computing (Hons.) from Queen's University in Game Development. He works as a designer and programmer of the Liberi exergame here in the EQUIS lab.

“Growing up, I always liked programming, hence why I went into computer science; and so somewhere along the way I realized that I could use the coding that I liked to learn and that I’ve been studying and my interest in games and actually make games,” said Moran.

When Dan posted the link to his new online game on a Monday night, he never dreamed the game would take off by Tuesday morning. “My Facebook has been blowing up,” Moran said after graduation.

Why Computing?

According to a report released by US News and covered by both Slate and Business Insider, “Software Developer” tops the list of the 100 best jobs of 2014. From the report:

These professionals are the brains behind your Candy Crush obsession and Android phone dependency. They might be applications developers, who design computer software, databases and games, or they could be systems-focused developers, who are responsible for building operating systems. Growth for both types of IT professionals should balloon: The Bureau of Labor Statistics predicts there will be nearly 140,000 brand new positions created before 2022. According to the National Association for Colleges and Employers (U.S.), in 2013, majors with a Bachelor’s Degree in Computer Science were by far the most likely to receive at least one job offer by the time they graduated.

Randy Ellis Recognized for Excellence in Research at CAOS

Dr. Randy Ellis was awarded the Maurice E. Miller Award for excellence by his peers for his contributions to computer-assisted surgery where he has fostered excellence throughout his career to the present day. At the 14th Annual Meeting of the International Society for Computer Assisted Orthopedic Surgery (CAOS) held in Milan June 18-21, 2014, Dr. Ellis was cited for the fundamental effect he has had in advancing this research field.

Congratulations, Randy, on this well-deserved recognition of your commitment to excellence in research!
Perk and EQUIS Labs at Science Rendezvous

The School of Computing’s EQUIS and Perk Labs took part in Science Rendezvous Kingston 2014 held at the Rogers K-Rock Centre on May 3. The event was a free public festival of events intended to showcase “the passion and importance of science and research” and was aimed primarily at families with children. Science Rendezvous was organized by Queen’s Faculty of Education and Community Outreach Centre. Thanks to our student volunteers from Perk and EQUIS for providing a School of Computing presence at the event!

Mary McCollam Retires

After teaching for 25 years in the School of Computing, Professor Mary McCollam has retired. When she started teaching in 1989, there was no World Wide Web and no PowerPoint. The state of the art teaching media was the overhead projector and plastic transparencies, sometimes used very ineffectively by professors instead of the blackboard (which is still an excellent, interactive, real-time teaching tool). Students were sometimes expected to take notes as fast as their professor could flip the slides on the projector or to wait until the prof left photocopies of the slides on reserve in the library. Computing technologies have provided incredible teaching options. During classes this past year in CISC 110 Elementary Computer Animation, Professor McCollam showed example interactive animations on the Internet and gave real-time demos showing how to program animations using Adobe Flash. Then students downloaded, from the course web page, animation programming exercises she had created; students added features to the programs at individual computer workstations in the classroom to learn programming and animation techniques.

Professor McCollam developed this first-year computer animation course to introduce programming in an exciting way that shows students how programming can be used as a powerful tool to accomplish goals of interest to them.

Creative Computing 2014

Hundreds of interested faculty, students, and staff gathered at the Biosciences Complex on Thursday, April 3rd for the Queen's School of Computing’s annual exhibition of Creative Computing: Art, Games, and Research. The event highlighted the work of the School’s undergraduate and graduate students with hands-on demos, presentations, and posters from a selection of our courses, with topics including Game Design and Game Technology, Computing and the Creative Arts, 4th year projects, Human Computer Interaction, and more. Congratulations and thanks to the organizers and participants. The event was also featured in the Heritage newspaper, the Instructables website and 3D Printing Industry, a renowned blog in the tech prototyping industry.

For the major project of the course, students design and implement an animation project of their choice, which could be an interactive film, a web page or a video game. The creativity and sophistication of many of these first-year projects is amazing!

Another of Professor McCollam’s favourite courses is CISC 497, Social, Ethical, and Legal Issues in Computing, a required course for all fourth-year computing Honours students, which she taught for over 20 years. Needless to say, the issues discussed changed dramatically over those years; from how the development of the World Wide Web was facilitating an increase in Internet pornography in the early 1990s, to the affect of Napster on the music industry in 1999, from the increased use of surveillance technology after 9/11/2001 to combating cyber-bullying today in the era of social media.

CISC 497 focuses on what Professor McCollam believes is the most important skill for students to develop while at university: critical thinking. In CISC 497, students research, discuss and critically analyze how computing science and the decisions made by computer scientists affect the rest of society. What could be more important than that?
Sixth Annual School of Computing Awards

On May 12, 2014, School Director Selim Akl hosted the Sixth Annual Queen’s School of Computing Awards ceremony. The awards were created to recognize excellence in various forms of endeavour, an opportunity to celebrate the contributions of those in the school who distinguished themselves through their exceptional work and as an opportunity to say thank you to those who made a difference in School life.

This year’s recipients were:

- **The Howard Staveley Award for Teaching Excellence:** Roger Browse and Brian Butler (top right)
- **Ph.D. Research Achievement Award:** Zhen Ming Jiang
- **Graduate Student Distinguished Service Award:** Saeed Shafieian (centre)
- **Distinguished Graduate Supervision Award:** Kai Salomaa (bottom right)
- **Distinguished Service Award:** Irene Lafleche (bottom left)
- **Research Award:** Khalid Elgazzar
- **Award for Outstanding Contribution to School Life:** Eril Berkok
- **Award for Excellence in Teaching Assistance:** Doug Martin (bottom centre)
- **Distinguished Master’s Thesis Award:** Simrin Nagpal

Congratulations to the recipients, and many thanks to all those who worked hard to make this day a memorable one: Members of the Awards Committee, nominators, Lynda Moulton for producing the awards, and Eril Berkok, Ben Hall and Dave Dove for helping before, during and after the ceremony.

2014 Ian A. Macleod Award

Congratulations to Andrew Dickinson on receiving this year’s Ian Macleod Award. The award was established in Ian’s memory to commemorate his belief in the importance of a strong departmental spirit. The award is granted in the fall to the graduate student in the School who made the greatest contribution to the intellectual and social spirit of the School of Computing during the preceding academic year.

Queen’s School of Computing Alumna: Great World Leader

Queen’s School of Computing Honorary Doctorate Alumna, Dr. Maria Klawe, has just been included in the list of the 50 greatest leaders in the world. She is in the company of the Dalai Lama, Aung San Suu Kyi, Bill Clinton and Pope Francis in the latest issue of Fortune magazine.

“Klawe is leading the charge to bring more women into science, technology, and engineering.” Fortune says that she has played a very large role in bringing the number of women in computer science from 10% in 2005 to 40% in 2014. Dr. Klawe is President of Harvey Mudd College.
How We Roll

Professor Jim Cordy delivers the keynote address at the 17th International Software Product Line conference in September 2013, Tokyo, Japan. Jim outlined his recent work on the analysis of automotive software models at GM with Manar Alalfi, Tom Dean, Matthew Stephan, and Andrew Stevenson.

The School of Computing's own Professor Greg Lessard was one of four recipients of the Queen's Distinguished Service Awards for 2013. The award noted that Lessard is past academic director of the Bader International Study Centre, and served as special advisor to three principals. Greg was noted for his enthusiasm and his deep dedication to Queen's. It was also noted that he consistently goes that extra mile as a teacher, researcher, administrator, mentor, and advisor.

Professor Gabo Fichtinger, Queen's School of Computing CCO Research Chair, submitted a successful application to the Canada-Latin American and the Caribbean Research Exchange Grants program. Dr. Fichtinger will be working with Professor Alvaro Gómez of the Universidad de la República in Montevideo, Uruguay to develop a shared platform for radiation-free paediatric scoliosis monitoring.

Undergraduate student Jonas Lobo, who was enrolled in the Queen's School of Computing course COCA 201 in Winter 2013, is the winner of the Editor's Choice at Maker Faire. His giant actuated origami project received a good reception at the Maker Faire, winning three editor's choice awards!

Congratulations to Queen's School of Computing Professor Nick Graham and to CP-Net in their successful application to the Ontario Brain Institute for funding. Led by Dr. Darcy Fehlings of Holland Bloorview Hospital and the University of Toronto, CP-Net connects children with cerebral palsy and their families to a network of world-renowned researchers from across Ontario to improve understanding and accelerate new treatments for this disease. Nick will contribute to the Technology Platform through his “Exergame Technology for Youth with CP” research.

Karolina Zurowska, PhD Candidate, Wins ACM Student Research Competition at MODELS'13--at the ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems in Miami, Florida.

The keynote address at CASCON 2013 was delivered by the Queen's School of Computing NSERC Blackberry Industrial Research Chair, Dr. Ahmed Hassan. His address, titled “Mobile Software Engineering: The Next Revolution?” outlined the challenges in how computer software is being developed, marketed and evolved in the new world of mobile applications.

Undergraduate Jacob Andreou took First Place at Facebook’s Global Hackathon Finals in Menlo Park, California. Jacob Andreou and Khalid Karim (Software Engineering, University of British Columbia) had this opportunity through the Canadian Undergraduate Technology Conference regional qualifier, a technology conference that is rapidly gaining momentum in the Canadian technology community. We are proud to share this accomplishment!

Congratulations to Queen's School of Computing Ph.D. candidate Sherin Abdel Hamid, whose paper “On the Recruitment of Smart Vehicles for Urban Sensing”, co-authored with Professors Hosssam Hassanein (Computing) and Glen Takahara (Mathematics and Statistics), received the Best Paper Award at the Ad hoc and Sensor Networks Symposium held in Atlanta, Georgia, December 9 – 13, 2013, as part of the 2013 IEEE GLOBECOM conference.

The paper “Empowering Mobile Service Provisioning Through Cloud Assistance” by Queen's School of Computing researchers Khalid Elgazzar, Patrick Martin, and Hossam S. Hassanein, was selected to receive a Best Paper Award, at the 6th IEEE/ACM International Conference on Utility and Cloud Computing, held in Dresden, Germany, December 9-12, 2013. The award was based on both contributions and presentation.

Professor Roel Vertegaal was one of 5 researchers at Queen's who were awarded a Discovery Accelerator Supplement from NSERC. The Supplement is designed to provide additional resources to accelerate progress and maximize the impact of superior research programs. These grants are awarded to researchers whose projects explore high-risk, novel or potentially transformative lines of inquiry, and are likely to contribute to groundbreaking advances.

Dr. Ahmed Hassan has been awarded a grant from the Canada Foundation for Innovation John R. Evans Leaders Fund for his project, “Methods and Tools for Developing and Operating Ultra-Large-Scale (ULS) Software Services”.

On May 2, 2014, Queen's School of Computing Professor, Dr. Randy Ellis, received an award from the School of Computer Science, University of Massachusetts at Amherst, for Outstanding Contributions to Society. The award cites: “For pioneering and sustained improvements to computer-assisted surgery leading to worldwide advances in healthcare”.

Professor David Skillicorn has been awarded a Big Data, Big Impact Grant from the Cancer Institute of New South Wales and the Children’s Hospital at Westmead in Australia to help personalize cancer treatment for children. The project will involve a large scale analysis of detailed data about childhood cancer patients suffering mainly from leukemia.

Papers submitted by QSC Graduate Students Shane McIntosh (Dr Ahmed Hassan) and Feng Zhang (Dr Ying Zou) to MSR (Mining Software Repositories) 2014 were selected as distinguished papers out of 112 entries. Shane's paper, “The Impact of Code Review Coverage and Code Review Participation on Software Quality: A Case Study of the Qt, VTK, and ITK Projects” is co-authored with Yasutaka Kamei, Bram Adams, and Ahmed Hassan. Feng's paper, “Towards Building a Universal Defect Prediction Model”, is co-authored with Audris Mockus, Iman Keivanloo, and Ying Zou.

Fourth year School of Computing student, Amin Nikdel, has received much recognition for the development of NPulse. NPulse is a tool for both students and faculty in class. It allows students to engage in class by asking questions and giving real-time feedback on the course material. Instructors can analyze where they lost students and pinpoint which course material they didn't understand. Students can use the app to connected with each other in class to promote peer to peer learning and encourage class discussion.
Many thanks to our Alumni and Friends

We appreciate the following alumni, faculty, staff, and friends who directed their Queen's University gifts to the School of Computing. Listed below are our benefactors over the past ten months. These donations are making a difference! Annual Giving can help us attract outstanding students and continue our outreach program.

Dr. Selim & Mrs. Karolina Akl  Ms. Genevieve Atangan  Mr. Mark Attisha  Ms. Anna Belkova  Mr. Carlos Bhola  Dr. Steven & Dr. Dorothea Blostein  Mr. Alan & Mrs. Diane Booth  Mrs. Frances Booth  Ms. Marjorie Booth  Ms. Lise Chartrand  Ms. Jing Chen  Dr. James Cordy  Mrs. Anne Crawford  Mr. Ge Deng  Dr. Juergen U Dingel  Mr. David Franklin  Dr. John Gauch  Dr. Susan Gauch  Mrs. Mary Gilchrist  Dr. Freeman Huang  Mrs. Linda Jewett Yudelman  Ms. Congrong Jiang  Dr. Michael Levison  Mr. Derek McAllister  Mr. Richard McCrae  Ms. Kim McKenzie  Mr. William McKenzie  Dr. Amos Olagunju  Dr. Ke Qiu  Dr. Kai Salomaa  Mr. W. Richard & Mrs. Susan Silver  Mr. William Silver & Ms. Meg Gemmill  Ms. Megan Sprague  Mr. Hubert Tong  Mr. Michael Yeung  Mr. Yonghua You

To make your gift today, please visit [www.givetoqueens.ca/computing](http://www.givetoqueens.ca/computing)

We are very grateful to have supportive alumni and friends who are inspired to make a difference at Queen's. Your support is instrumental in upholding our long-standing tradition of excellence.

The School of Computing delivers an outstanding university experience, both inside and outside the classroom. We continue to attract exemplary students and world-class faculty and researchers. Thank you for making a difference through your generosity and support.

We are happy to help you explore how you can give back to Queen's and answer any questions about giving opportunities and priorities.

Please feel free to reach us at the numbers below. We are also pleased to set up a personal visit to discuss specific projects or ways you can support the School, either now or in the future. Every gift makes an impact. Thank you for your consideration.

### To make your gift today, please visit [www.givetoqueens.ca/computing](http://www.givetoqueens.ca/computing)

- **Current giving**

  Carrie Miles: 613.533.6000 Ext. 75501  carrie.miles@queensu.ca

  Lisa Sykes: 613.533.6000 Ext. 75646  lisa.sykes@queensu.ca

- **Legacy giving**

  Faye Ransom: 1.800.267.7837  faye.ransom@queensu.ca

Any communication about giving and estate planning will be held in the strictest of confidence.

**Join us at the following upcoming events:**

- **Fall Preview** - Oct 25, Nov 8, Biosciences Atrium
- **Ontario Celebration of Women in Computing** (ONCWIC) - Oct. 24-25, University of Guelph
- **March Break Open House** - Mar 21
- **Creative Computing** - Apr 1, Biosciences Atrium

**School of Computing Distinguished Seminar Series:**

Want to keep in the seminar loop? Please send your request to: inquiries@cs.queensu.ca

**Moved or moving?**

You may send address changes to records@queensu.ca

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