Next year’s theme & events - sign up for newsletters

[ICL]

MESSAGE FROM THE PRESIDENT

[mission & core values; all]

2018-2019 IN NUMBERS

- infographic
- students numbers breakdown
- graduates
- fellows
- number of events
- ££ given in student support
- number of alumni abroad
- visiting academics
- countries represented
- some quirky, ie attendees at May Ball, puddings served, etc

[SR, GFM, ICL]
EVENTS [ICL, SE]

Transformation

WRE

Lee Lecture

May Ball

WOLFSON STAFF

Welcome new Bursar

STAFF PROFILE

Susan Larsen mention Joe C [EL, SR]

STAFF PROFILE

Loredana [SE]

STUDENT STORIES

PROFILE

Justin Yang (PhD, WCSA, WCBC, Uni Challenge, worked in A&D office) [SE, EL, ICL, SR]

RESEARCH

PhD Lara Urban on kakapo genetics [EL, SR, SE]

ACCOMPLISHMENTS

Churen Li wins CUMS concerto [ICL]

GOODBYE IBZ [EL, SR]

SPORTS STORIES

[SE]

PHOTO FEATURE

- Bumps

SENIOR MEMBER PROFILE

Toby Smith (videographer, photographers, art exhibitions) [ICL, GFM]

CRA NEWS STORY

TK - suggestions? [GFM]

PHOTO FEATURE

-the gardens, incl Student Garden [ICL, SE]

NEW SOCIETIES [ICL, SR, SE]

- Education

- Entrepreneurship

PROFILE [SR, SE, ICL]

Kaamya Varagur (Gates scholar, choir, music research) [SR, SE, ICL]
NEWS STORY
Duncan Maskell Hon Fellowship (refer to online version of speech) [mission & core values]

SHORT BIOS
New Fellows [GFM]

PROFILE
Lloyd Peck: A Wolf in Antarctica [GFM]

SHORT BIO
New Junior Research Fellows [GFM]

NEWS SHORTS
Press fellows & visiting fellows? [GFM, ER]

NEWS SHORTS
-EF Jeremy Mynott short-listed/winning Wolfson Fellowship
History Prize [GFM, EL]
-EF mentoring scheme - EFs/senior members

NEWS SHORTS
-Fellows accomplishments -in the news -recent University appointments [GFM]

ie, Nick Wareham & Luca Lotta paper on genetic basis of obesity;
A Lombardo new paper on nano materials;
Calum Williams new fellowship;
Peter Jones on adulthood;
Karen Pearce on sports and studies;
Adrian Kent on new currency; et
LIST
-Fellows publications [GFM]

GILES YEO
*Gene Eating*

RICHARD EVANS
*Hobsbawm: A Life in History*

SUSAN OOSTHUIZEN
*Emergence of the English*

STUDENT TESTIMONIAL
Travel grant? [SE, EL]

THANKS TO DONORS
for new boat [SE, ER]

STUDENT TESTIMONIAL
Burke’s Peerage [SE, ER]
CAREER PROFILE
Tszwai So [ICL, SR]

CAREER PROFILE
Joseph Joseph [ICL, SR]

MEMBERS STORIES & NEWS
-from A&D

SIDEBAR
the importance of legacies [ER]

WOLFSON AROUND THE WORLD [ER, EL]
-infographic

MEMBERS STORIES & NEWS
-from A&D

Q&A
Women of Wolfson [SE, SR]
Revised schedule

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* after two intermediate proof stages
SECRET CAMBRIDGE
FULL STEAM AHEAD

Words Becky Allen
Photography Marcus Ginn

Besides the River Cam, off Newnham Road, the Victorian pumping station served Cambridge for more than 70 years and had a profound impact on the city's residents. Before the pumping station, the city was far from blameless. William Ranger's 1843 report on public health in Cambridge painted a grim picture of the poorest parts of town. He wrote of those yards and boiling houses, slaughterhouses and scavengers, of decomposing animals littering Jesus Dolch, and a River Cam that was little more than an open sewer. With this came disease: cholera, typhus, smallpox and malaria. The sanitary condition of numerous courts and places was so squalid as to be a disgrace to humanity, and still more to civilisation, and I believe it next to an impossibility for their inhabitants to be healthy, cleanly, or even moral,” Ranger wrote.

The solution to the twin problems of sewage and rubbish was a shining example of Victorian ingenuity. The Cambridge Blue Budge, as it was known, was built in 1842, and was the first pump station to use steam engines. The engine, built by the company of H. and R. Hornby, consisted of a pair of 12-tongers working in tandem. The engines were kept in steam by a trio of boilers and six furnaces, each of which was capable of burning 32 tons of coal a day. With some modifications, the station could pump 100,000 gallons of water an hour, and the engines were kept in steam by a trio of boilers and six furnaces, each of which was capable of burning 32 tons of coal a day. Today, it is a place of pride, not only for its historical significance, but also for its role in preserving the city's heritage and its contribution to the development of modern technology.

"They come because they love the collection, the engines, the history,” she says. “And I love the people I meet. It's a really exciting, enthusiastic, that people are here because they want to be here. That's what it is. We're in a funding bid, but we've got a funding bid."

Currently fundraising for a new boiler, a backup source of steam and new museum space, the station will open its doors again in 2023, and will be open to the public. The station will continue to be a testament to the ingenuity and expertise of its builders, and a reminder of the importance of preserving our industrial heritage.
EVENTS

Festival of Ideas

What will life really be like when the global population reaches seven billion? What does the future hold for the individuals and nations who have pushed forward the "cop-out" of Wikkileaks and changed attitudes towards openness on the web?

For the answers to these and hundreds of other questions, come to the fourth annual Cambridge Festival of Ideas, which will take place across the University this October.

Visit www.admin.cam.ac.uk/whatson to find out more.


N
once, small address. Date of birth. Password. If these were ever sent to a friend against the advice of 21st century form filling, you might be counselled to find that this feeling is not a modern phenomenon. Historian Dr Peter King has found that the Very Reverend Dr Peter Stainsby-Wood, vicar of the church of St Mary in the town parish of Middleham in Yorkshire, also found form filling a bit of a bore. Required to record the personal details of every new child in the bapistry of Ripper, Reverend Wood decided to get creative. In 1883 he encoded, as well as the more mundane occupations of, "convent" and "farmer", the rather more colourful "laund gilder", "chopper of chips" and "good workman". The following year, wanting to fit his theme, he added "cut throat of pigs", "publican and beggar maker", "turning and lathe of the noill", "master of the rolls and barn crew", "farmer and fortune hunter" and, perhaps best of all, "cabbage guilder".

Dr King learnt across these quirky entries while processing data from the parishes of rural North Yorkshire from the early 19th century. He is one of a team of historians and geographers undertaking the biggest ever survey of occupations in England and Wales from 1541 to 1861.

www.history.org.uk/vox/occupations

The Faculty of Law has announced the launch of the first entirely new degree in Law since the 1190th century.

The Master's degree in Corporate Law (NCL) will cater students the opportunity to engage in a detailed study of the legal and regulatory framework in which companies are governed and financed. In addition to offering in-depth analysis of legal issues, the course will provide students with the opportunity to understand how "real-world" corporate deals are structured and run. The NCL will be taught by the Law Faculty's team of corporate lawyers, widely recognised as one of the strongest in the field. The intake will be approximately 25 students per year.

The inaugural Director of the Sainsbury Laboratory, located in the heart of the University Botanic Gardens, has been brought together with technology with the ground internationally acclaimed collections of over 1000 and 15,000 other plants. It will house the University's Herbarium, which contains over one million plant specimens, including this collection by Charles Darwin on the voyage of the Beagle. Four more information about the laboratory and the scientific research being undertaken, visit www.slsu.cam.ac.uk.

PLANT SCIENCES/RESEARCH
Sainsbury Laboratory

Good opening: Yes. Environmental architecture: Yes. Outstanding facilities: Yes. Opening of the Department of Plant Sciences' new laboratory by the Queen this term is short more than an undeniably famous building. Indeed, the Vice-Chancellor, Professor Sir Leszek Borysiewicz, described the opening of the Sainsbury Laboratory as "one of this century's most significant moments in British science".

The huge excitement about the laboratory is an example of the research that will take place there. The biotech research facility, which was made possible by a £25m grant from Lord Sainsbury's Gatsby Charitable Foundation, will focus on addressing some of the key environmental problems threatening the world today. Including the increasing strain on the world's food supplies. With an increasing reliance on plants, not just for food but for fuel as well, the fundamental understanding of plants is more important than ever," said Professor Elliot Meyers.
Twelve Things You’ll Love...

AND WILL WANT TO SHARE AT YOUR NEXT DINNER CONVERSATION

16 US Olympic Hopefuls Attended UCCS in 2017

$593+ Million IN ANNUAL ECONOMIC IMPACT

82 NATIONS REPRESENTED

UCCS RECOGNIZED AS ONE OF THE “GREAT COLLEGES TO WORK FOR” IN 2018 BY THE CHRONICLE OF HIGHER EDUCATION

3.0+ GPA

STUDENT-ATHLETE AVERAGE FOR 14 CONSECUTIVE YEARS

UCCS Downtown Opened September 2018

Named a Top-10 Public Institution in the West

262 DIFFERENT CAUSES SUPPORTED BY DONORS AT UCCS IN THE LAST ACADEMIC YEAR

168,351 VISITS TO THE ENT CENTER FOR THE ARTS IN SPRING 2018

NEW MOUNTAIN LION FIELDHOUSE, ONE OF FIVE ATHLETIC FACILITIES

Empowering Others to Succeed

James Proby ’96 Bachelor of Arts in Communication

Presented with the opportunity to continue life as a successful businessman or shake things up by helping the less fortunate, UCCS alumnus James Proby chose the latter.

“I saw this need that wasn’t being met in our community, and we wanted to provide something brand new,” he said. “We’re pioneers stepping into a whole new space. It’s exciting and scary. You don’t have a blueprint for what to do.”

Today, James is the founder of the Men’s Xchange, a men’s thrift boutique in Colorado Springs providing clean, pressed suits at $40 per person, along with a tailoring service. The idea for the Men’s Xchange came to him after seeking training to teach an entrepreneurial class.

“I saw this need that wasn’t being met in our community, and we wanted to provide something brand new,” he said. “We’re pioneers stepping into a whole new space. It’s exciting and scary. You don’t have a blueprint for what to do.”

He credits his path to UCCS, noting connections he made while pursuing his degree afforded him his first job offer.

But UCCS faculty provided more than just a start.

James’ professors were compassionate, helping him build his confidence and ability to learn after being diagnosed with dyslexia. He graduated in 1996.

“Everything I do is all about the interpersonal communication process,” he said. “Communication skills are the best thing I got out of UCCS. That, and the relationships I built there. I can now propel others in our community to success just as UCCS propelled me.”
Clever monkey

Creative Review selected Tom Abbiss Smith (BA Illustration, 2016) as 'one to watch' in their 2016 Talentwatch campaign. Gooloo, the spotlight as one of the 15 best graduate image makers of the year. Tom is exploring the distinctive designs on 900 digital billboards around the UK, at major railway stations, roadways and shopping centres, and was featured in the magazine’s Gradwatch.

www.tomabbisssmithart.com

Flipping out

David Hurtado, (BA Graphic Design, 2000) has published his first book, Flipping Out: The Art of Flip Book Animation. The illustrated book guides readers through the process of creating an animated flip book from brainstorming and storyboarding to drawing and adding colour. David works as a freelance illustrator for clients including Montefiore Hospital, Oxford University Press and the RSPB.

www.davidhurtado.com

Next steps

Victoria Friend (BA Textiles, 2016) was snapped up by John Lewis after graduation. She now works as a Trainee Print and Pattern Designer. Within her first few months working for the high street retailer, Victoria contributed to their Twilight Garden collection.

www.victoriafriend.blogspot.co.uk

Paper picks

Graduate-run paper cutting studio, Rhombus and Pineapple was announced winner of the Top Drawer Paperawards S/S17 in the Engaging Print category. Emily Powell and Grace Thomson (BA Fine Art, 2011) produce bespoke designs from their studio/shop in Yorkshire, Devon. Their success doesn’t stop there. They’ve recently been approached to work with the Museum of Modern Art in New York, The National Theatre and BAFTA.

www.rhombusandpineapple.com

BAFTA success

Alumnus Stuart Craig OBE (Diploma, Art & Design, 1951) won a BAFTA award for Best Production Design for J.K. Rowling’s Fantastic Beasts and Where to Find Them. Up against industry competition from Le Li-Land and Doctor Strange, Stuart and set decorator Anna Howcroft scooped the award at the 2017 ceremony. Stuart has previously won BAFTA awards for Best Production Design for Harry Potter and the Goblet of Fire and The Elephant Man.

www.fantasticbeasts.co.uk

Sky high

Amy Rogers (BA Fine Art, 2001) was one of 54 artists selected to appear on Sky Art’s Portrait Artist of the Year 2017. Amy was one of three artists chosen to paint Ralphp Richardson, the actor who appeared as Grey Worm in Game of Thrones. She had four hours to complete the portrait. Ralph selected Amy’s portrait as his favourite.

www.amy-rogers.co.uk

Mail order

Commissioned by the Royal Mail, graduate Jim Sutherland (BA Graphic Design, 1988) created a limited edition stamp celebrating the work of crime writer Agatha Christie. Hidden ‘vices’ within the images are revealed when the stamps are exposed to UV light or heat.

www.studio-sutherland.co.uk

Happisburgh days

Gemma Astbury (BA Photography, 2016) was awarded the title ‘Fujifim Student Photographer of the Year 2016’ for her image of Happisburgh beach. Shot on expired Fujifilm Velvia 100 transparency film, the winning image was then cross-processed to give the effect of a dream-like hue.

www.gemmas-a.com
Professor Terry Tivnan

Professor Terry Tivnan is a well-known figure in the field of educational research. His work on the impact of early childhood education on later academic success has been widely cited. In this article, he reflects on his own educational journey and the influence of certain individuals and institutions on his career.


during the early 1960s, when I was a young man, I decided to pursue a degree in education. At the time, I was interested in the idea of teaching as a profession, and I wanted to learn more about how to effectively communicate with students. I enrolled in a program at Harvard University, where I studied education and psychology.

In 1969, I decided to take a year off from my studies and travel abroad. I spent a year in Europe, visiting schools in France and Germany, and studying the educational systems in these countries. This experience had a profound impact on my understanding of education and how it could be improved.

In 1974, I returned to Harvard and continued my studies, focusing on the psychology of learning. I was particularly interested in the ways in which students learn and how teachers can best support them. I conducted research on the effectiveness of different teaching methods and developed new approaches to instruction.

In 1980, I was offered a position at a university in the Netherlands, where I continued my work on educational research. I was able to apply the principles I had learned in the United States to the educational systems in the Netherlands, and I was able to make significant contributions to the field.

In 1985, I returned to the United States and was appointed as a professor at Harvard University. I continued my work on educational research, and I was able to draw on my experiences in Europe to develop new ideas and approaches to teaching.

In 1990, I was invited to speak at a conference on educational reform. I shared my research findings and discussed the importance of creating a supportive learning environment for all students. My talk was well received, and I was invited to speak at other conferences and events.

In 1995, I was appointed as the director of a research institute focused on educational reform. I was able to bring together scholars, policymakers, and educators to work on developing new strategies for improving education.

In 2000, I retired from my position at Harvard and began to devote more time to my research and writing. I have continued to write about educational reform and the importance of creating a supportive learning environment for all students.

In 2005, I was awarded the National Medal of Science for my contributions to educational research. I continue to be involved in the field, and I am proud to see the impact that my work has had on education.

+++end of excerpt+++
ON MY BOOKSHELF

James Ryan, Dean

COMPETITION AND COMMISSION IN CHINESE SECONDARY EDUCATION

In Competition and Commission: Education, E.M. 17, E.D. 22, the author examines the relationship between Chinese education and economic growth, and what role the state and market play in shaping the educational system. The book provides a comprehensive analysis of the Chinese educational landscape, including the role of competition and its impact on student performance and curriculum development. It also explores the challenges and opportunities for educational reform in China.

FOR A FULL LIST OF BOOKS FEATURED IN THIS ISSUE, VISIT MARFAIL.EDUCATION/BOOKS. IF YOU'VE READ ANY OF THIS ISSUE'S BOOKS, PLEASE SHARE YOUR OPINIONS AND RECOMMENDATIONS WITH OTHER READERS.
**Wolfson Review 2019**

The roots of that community run deep, as many organize new generations of students in the way of the Old Boy Network (OBN). Over the nearly 300 years the convention has been around, David Schwartz has missed only two. Schwartz helped students in the early 2000s in his role as student member of the board of directors, and has returned many times to serve as a mentor. This year, he was invited to serve on the guest judges panel. Introduced alongside professional, commercial, student, and faculty members, Schwartz received the highest and greatest applause by far.

"I saw it," Schwartz says. "I saw the younger generation still recognize me and appreciate what I did..." It was absolutely crucial," he says, admitting that the show of support brought a tear to his eye.

The high marks given to students are a testament to the bonds that students past and present form with one another through their shared interests. Says Lees: "If not for this, a lot of people—myself included—might have stayed in their dorm rooms all day and not had fun. It unites me in a lost freshman, as it did for many before me, and it will for many after me."

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**ICymi**

(Right You Very Much) In its 2019 ranking of "America's Best Graduate Schools," U.S. News & World Report placed several UB programs among the finest in the nation, with the School of Social Work now claiming a spot in the top 25.

**Building Solutions.** A School of Architecture and Planning Initiative will address a critical need for affordable housing by having students and the faculty plan, design, and construct housing prototypes in underserved Buffalo neighborhoods, replicating around the country.

**Seasoned Experts and Rising Stars.** Five UB faculty have been named SUNY Distinguished Professors, the highest faculty achievement in the SUNY system:

- Justice School of Medicine and Biomedical Sciences
  - Christopher Ciofo
  - Stelios Andreadis
  - Andrew White

- School of Engineering and Applied Sciences
  - Steven G. Pfeffer
  - Zhanshan Wang

- School of Pharmacy and Pharmaceutical Sciences
  - Johannes Heidschnucke
  - Luise Beeghly

- School of Public Health
  - Lisa A. Yeh

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**UB Bucket List**

(see things every student should do before graduating)

**Engineer's Week**

**Who says engineers don't know how to have fun?** Each February, a week-long celebration organized by UB's student engineering clubs turns work into play through a series of competitions, including 3-D printed boat races, spaghetti-tower building contests, and three-story egg drops. In the main event, Robot Wars (below), custom-built remote-controlled robots battle in a scaled-down arena while a crowd of onlookers cheers them on.

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**Mending the Planet, One Item at a Time**

In March, UB hosted a Repair Fair in the Student Union to encourage a more sustainable approach to the goods we consume. The community event enlisted the help of volunteer "fixers" who set to work on visitors' broken appliances, fried electronics, worn-out clothing and more. "Although not everyone can do huge things, we can all incorporate green practices and choose little by little into our daily lives," says UB staff member Carlini Zanghe, who was on hand to repair jewelry of the event. "Together, we can fix a broken system."
Eurekal

The more people watched Trump on TV, the more likely they were to form beliefs that, in turn predicted whether they would vote for him.

Wolfson Review 2019

Blockbuster

Cryptocurrencies like bitcoin are generating mega-bucks these days with accounts of fortunes won, and lost, on the many valuable digital exchanges. But according to Bina Ramamurthy, a fellow associate professor of computer science and engineering, the real story is blockchain, the technology that underlies these currencies. Ramamurthy taught a wildly popular course on the technology during the winter session and in April organized Buffalo’s first blockchain “bullfight,” in which students and tech enthusiasts gathered to write new applications for the platform.

What is blockchain and how does it work?

Blockchain is a trusted tool that enables entities that are not necessarily known to each other to interact directly, peer-to-peer. Reeds this is a distributed, immutable ledger that all the peers on the blockchain have a copy of and validate. The individual blocks on the ledger—the blocks are encrypted, so only people involved in the transaction can read it. All of this is automatically implemented using consensus algorithms, which makes it absolutely feasible and removes the need for intermediaries, like banks or governments. In other words, blockchain is decentralized, self-organized, and distributed, immutable ledger. D. O. D.

What problems does this technology address?

Blockchain was actually created by cryptocurrency folks, and it began with one particular cryptocurrency: bitcoin. Bitcoin is the currency, but blockchain is the underlying infrastructure. Bitcoin was released in January 2009 when every time a transaction passed on the internet, it relied on a decentralized network of intermediaries (like banks) to verify the identity of each person involved. Are there applications other than cryptocurrency?

Around 2016, a few initial blockchains introduced what is called a smart contract: it piggybacks on bitcoin, essentially giving it a more useful spin by allowing transactions around utilities and services to be recorded on the ledger in addition to cryptocurrencies. That’s where we are now. In the future, government services will become the prominent applications for blockchain. Because blockchain protocol is all about verification, validation and agreement on what goes on it, and it takes place instantly, many countries of government—like going to the DMV—will be streamlined: ownership and management of assets, such as a number of securities, are facilitated.

Sounds promising!

We are at the infancy of this technology. Blockchain has tremendous potential for a whole range of applications, and governments need to be included in them. Everyone on the planet will be peers who are interacting directly! Just like the smartphone has changed many societies into a connected group, blockchain will be changing the world.

The Inner Life of Molecules

A powerful new imaging method—developed by UB structural biologist researcher Thomas R. Cech—is now a biological tool that reveals the internal structure of proteins and other molecules, opening the door to exciting innovations in fields from astronomy to drug discovery.