Opening doors to vets of the future

Three state-of-the-art buildings for The University of Surrey’s new School of Veterinary Medicine are set to open this autumn.

Located at the heart of the Manor Park site, the new School, constructed around a ‘One Health – One Medicine’ theme, will provide forward-thinking interdisciplinary research and teaching to improve the health of humans and animals.

The school is working with key regional partners, including the Royal Surrey County Hospital, The Animal and Plant Health Agency, The Pirbright Institute, Surrey Wildlife Trust, the Veterinary Medicines Directorate, Fitzpatrick Referrals, Liphook Equine Hospital, Westpoint Veterinary Group and Marwell Zoo.

One of only eight in the UK, the new £45m School will comprise three buildings including a main academic centre with offices, teaching spaces, lecture theatres and research laboratories, a veterinary pathology building, and a clinical skills centre with an animal area.

Professor Noel Fitzpatrick, known as the Bionic Vet for his work in developing cutting-edge prosthetic limbs, has worked closely with the University on the development of the School of Veterinary Medicine, and is a key member of teaching staff.

He said: “I look forward to watching our students develop into a new kind of veterinary professional with a strong sense of purpose and identity, and a passion for their role in protecting animal and human health.”

There will be an opportunity for the public to view the new buildings in 2016 once they are fully opened. Further information will be published closer to the time.

This September, the University will officially open its 5G Innovation Centre (5GIC), one of the world’s first dedicated research centres for the next generation of wireless communications.

First announced in April 2013, the concept of the 5G Innovation Centre has attracted investment of over £60 million from technology leaders such as BT, BBC, EE, Fujitsu, Huawei, Telefonica and Vodafone in addition to £1.6 million awarded by the Higher Education Funding Council for England and £5 million from EM3 Local Enterprise Partnership.

Keith Robson, Chief Operating Officer for the Surrey 5G Innovation Centre, explained: “The internet and smartphones have transformed our lives in the last decade. Now, we are beginning to see a new ecosystem of technology, known as the Internet of Things, whereby billions of devices will become connected to help us achieve everyday tasks. In the future, finding a parking space, and the use of driverless cars will be made possible through the use of data. However, before these applications can be realised, work is needed to ensure that networks can deliver reliable, fast and intelligent data services.”

The 5G Innovation Centre will be of enormous significance in reinforcing Guildford’s position as a world-leading technology and innovation hub.
Welcome from the Vice-Chancellor

When the University moved to Guildford from Battersea almost 50 years ago, the Surrey Advertiser welcomed us to “balance the town’s rapid commercial growth, help its cultural life to develop and assure its status.” From such an encouraging reception, the University has thrived in Guildford as it’s grown into the Top Ten University we are today.

The University has made significant investments in growth and progress over recent years with a focus on excellence. A recent Times Higher Education ranking sixth in The Guardian League Table, eighth in The Complete University Guide and eleventh in The Times and The Sunday Times, and in the 2014 National Student Survey, we are eighth in the country for student satisfaction.

Our status as a leading university is enabling us to attract highly qualified students from all backgrounds and nations to study one of the many degree programmes we offer in subjects ranging from engineering to the performing arts to management and law.

By bringing together the best minds in academia and industry, our research is addressing this century’s pressing challenges in areas such as communications, health, energy, space science, cyber security and sustainable tourism.

The Infrasite laser diode, voted the fifth most important scientific discovery of all time, demonstrates our made CD and DVD technology possible and fast and broadband, was discovered at Surrey.

Today as Public Engagement Manager for the University, I fully appreciate all the wonderful things the University has to offer its neighbours. My role means I meet a lot of local people who are already closely engaged with the University or are residents who studied here in the 1960s, others who regularly attend our events, companions-employing our placement students and our long-standing neighbours who have closely followed our progress over the decades. But I also meet residents who would like to know much more. Some of our closest neighbours have never set foot on the campus.

This newspaper has been written especially for local residents to tell you more about the University. We hope it will inspire you, your family and friends to find ways in which you can enjoy the benefits we have to offer. Community engagement is more than providing information, it’s about opening dialogue. An important part of my role is meeting local representatives and key groups to understand how, together, we can also build more links within our community and forge more meaningful relationships. We are already making good progress. Recent examples include meetings with local residents, events, the circulation of an A-Z Guide to Your University, and a survey of Guildford residents. This summer, activities will include a new series of campus tours for members of the public and working with local residents to create a new edition of Welcome Home, the Students’ Union Community News.

We are continually working hard to strengthen our mutually beneficial and much valued links with the University’s home town and more broadly. There are many wonderful things happening at the University that much hope this publication inspires you to pay us a visit soon to experience some of the exciting activities for yourself.

More recently, our scientists developed a cost-effective and reliable urine test to detect prostate cancer which will be available in GP surgeries in 2017, and our research into affordable access to clean water and sanitation for poorer world communities was honoured in 2011 with our third Queen’s Anniversary Prize for Higher Education.

Throughout our history, the University’s connection with our home town has been central to our ethos. Our staff and students, many of whom live in the borough, are actively involved in the community through volunteering projects, educational programmes in local schools and exchanging advice and expertise with local businesses and charities.

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The University and Guildford’s Local Plan

Land owned by the University of Surrey has been identified by Guildford Borough Council as a potential site to build more homes for the town.

Blackwell Park, located to the west of Surrey Sports Park and the University’s Lakeside Restaurant, is being considered alongside a large number of other sites including Wisley Airfield and Godden Hill Farm in Burpham.

Under the National Planning Policy Framework and the Planning Act, Guildford Borough Council is required to produce a Local Plan that will meet the needs of the borough over the next 16 years. This includes homes, employment land and infrastructure such as schools and roads.

The University’s proposals for a new neighbourhood called Blackwell Park would include around 3,000 homes, including a large number of affordable homes, a road link to the west of the University’s Lakeside Restaurant, new schools and jobs, improved public transport and sustainable travel options.

Greg Melly, Vice-President for Enterprise and Growth, said: “We believe that Guildford needs more homes, schools and better infrastructure; we believe that it needs them together and it needs them soon. Planning ahead for the town’s future growth is even more critical in the face of intense demand and an infrastructure that is already under stress.”

“The University has put a great deal of thought into how its land at Blackwell Farm might be used for the benefit of the region. For a start, a site of 3,000 homes is by far the scale at which the University can do its best work within the confines of the planning system.”

To ensure Blackwell Park is suitable for all residents of the Borough, the University’s proposals include new homes that vary in size, type, tenure and affordability.

For further information on Blackwell Park, or to keep up to date with the University’s plans for a public consultation, visit surrey.ac.uk/blackwellpark.

Surrey is first for facilities

The University of Surrey has received an award for ‘Best University Facilities at the Whatuni Student Choice Awards 2015’. The Whatuni Student Choice Awards are voted for exclusively by students. This year, 20,000 reviews were counted. Out of 11 universities who met the minimum threshold, 39 received a nomination.

The University of Surrey was shortlisted for seven of the nine award categories, including University Of The Year, Best University For Courses and Best University For Job Prospects.

“Surrey is first for facilities” said Deputy Vice-Chancellor Academic Affairs at the University of Surrey.

For those in the know, our campuses at Stag Hill and Manor Park have plenty to offer.

Lakeside Restaurant

From its launch in 2013, the University’s Lakeside Restaurant is staffed by students from the renowned School of Hospitality and Tourism Management.

Head Chef, John Walter, changes the menu on a monthly basis, sourcing the best local produce and offering students and visitors a top end dining experience.

Between June and November 2015’s closed August, Lakeside is offering Your University readers a free starter with a two or three course meal. Just quote Your University when you arrive.

E: lakeside@surrey.ac.uk
T: 01483 686955

surrey.ac.uk/dine/lakeside
Surrey Sports Park

On Sunday 10 August, Surrey Sports Park will welcome some people from across the community, as the 2015 Rugby World Cup Trophy Tour hit Guildford. Rugby Fans will have the chance to get up close and personal with the coveted Webb Ellis Trophy.

There will also be a range of taster sessions delivered by professional players and coaches from Surrey Storm Netball, Surrey United Basketball and Surrey Smashed, giving people of all ages and abilities the chance to play sport for free with some of the country’s top stars.

For more information, visit surreyssportspark.co.uk

Surrey Sports Park

The University of Surrey has been working with the Surrey Sports Park, which is located to the west of the University’s Lakeside Restaurant. This summer, the Student Survey, we are eighth in the Complete University Table, eighth in the 2014 National Guide to University for Courses and Best University for Job Prospects.

More recently, our scientists developed a cost-effective and reliable urine test to detect prostate cancer which will be available in GP surgeries in 2017, and our research into affordable access to clean water and sanitation for poorer world communities was honoured in 2011 with our third Queen’s Anniversary Prize for Higher Education.

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Students champion local causes

Anyone who has ever volunteered or championed a cause knows that it is incredibly fulfilling. Earlier this year, undergraduate students from Surrey’s Media Studies course made a film to support Guildford Cathedral’s ‘Make your Mark’ appeal, which is raising funds for urgent repairs and development.

The ten-minute documentary, which shows the Cathedral’s inspirational story and how the Appeal is helping to transform the building for people of all ages, has fostered a great deal of support amongst fellow students and the wider community.

Student participant Jade Small, said: “The Cathedral is very important to students, so this was a very rewarding project to work on. The documentary was an exciting opportunity to transfer the skills from our degree into something with a real purpose – raising awareness about a vitally important aspect of Guildford.”

Other local causes to have benefited from films produced by Surrey’s media students include music venue, The Boiler Room. The Cathedral Appeal has just under £500,000 left to raise of its £7million target.

To watch the film, visit guildford-cathedral.org/news/2015/make-your-mark-documentary

The University in numbers

1. The University of Surrey and its Research Park annually (GVA) by the University and the Research Park

2. The number of visits to Surrey Sports Park, associated institutions since 1966

3. The number of degrees awarded by the University of Surrey and its associated institutions

4. The number of jobs in Guildford

5. The number of visits to Surrey Sports Park every year

6. The estimated annual sum of money spent by our students in the town

7. The number of jobs created a new institution up there on the hill

8. The value added to the UK economy annually (GVA) by the University and its Research Park

Remembering Battersea

As the University approaches its 50th year in Guildford, we are celebrating the foundations on which it is built.

From old to new

Malcolm Johnson left Battersea in 1968 to take up his industry placement in Germany and returned to a completely new campus for his final year. He recalls: “London in the Swinging Sixties was the best place in the world. However, when I moved to Guildford, I really experienced university life for the first time – I was living, studying and socialising all in the same place.”

“I remember that first year really well as the University was still a building site and there was a lot of mud, but, despite that, I was impressed with what I thought was ‘luxurious’ student accommodation which was definitely a step-up from my London digs.”

For Malcolm, who gained a degree in Materials Technology and an MPhil, his move to the new University led him to make his family home in the Guildford area, where he still lives 43 years later.

The ‘Honey’ University

Margaret Westwood has lived in Guildford for 44 years. She joined Battersea in 1962 as an economics lecturer and moved to the University when it opened its new campus.

She remembers the excitement at the planned development, even though a few members of the London-based support staff wondered if Guildford was at the end of the Northern line! She said: “Everyone was energised by the prospect of creating a new institution up there on the hill. We had been so cramped in our tiny little spaces at Battersea that to go to a brand new site with a room to yourself was heaven on earth.”

She recalls how impressed she was with the colour of the bricks used in the building work. Many dubbed the new institution the ‘Honey University’ because of the unusual yellow hue.

“We saw the yellow bricks piled up on the grass outside the cathedral, and, in the sunshine, it was uplifting to see,” she said. “Honey was the technical term for the colour and it changed my view of the development – I had thought it was going to look like a lot of red cubes all over the place, but the honey colour brick climbing up a green hill looked lovely.’’

She joined the University after landing her first job as a researcher at the University of Cambridge, where she went on to graduate in English literature and work as a broadcaster before returning to Battersea.

Margaret Westwood is a Battersea alumnus and Guildford resident since it was founded as Battersea Polytechnic in 1891, more than 100,000 graduates have passed through the doors of the University of Surrey and its associated institutions. To celebrate this legacy we have launched a new project Remembering Battersea: Help us build our history. which is being supported through a £130,000 grant from the Heritage Lottery Fund.

Our Battersea graduates are being asked to donate personal artefacts which capture their student days, take part in an oral history project, which will involve recording their memories, and volunteer in the University’s archives department.

We plan to share our history with Guildford residents at a special exhibition to mark our 50 years in the town next year. This will be one of many events and activities to celebrate the granting of our Charter by HM The Queen which formally established the University of Surrey at its new home on Stag Hill in September 1966.

For further information on Surrey’s history, visit surrey.ac.uk/Battersea

Everyone was energised by the prospect of creating a new institution up there on the hill.

Margaret Westwood Battersea alumnus and Guildford resident

A code of conduct for Guildford landlords

The University of Surrey and the Students’ Union have been working with Guildford Borough Council on the new Accreditation scheme for private landlords and agents operating in Guildford.

The Guildford scheme aims to raise property and management standards for tenants and local residents. Landlords and agents will be given training in key areas such as property management, tenancy agreements and their responsibilities under legislation relating to the private rented sector.

Landlords and agents will only be accredited following successful completion of the training course and on agreeing to a code of conduct.

Living together: residents’ help needed

The Students’ Union is inviting local residents to help produce a special guide for students living off-campus.

Last October, the Union brought together representatives from Guildford residents’ associations, Guildford Borough Council and Surrey Police to create Take Home Welcome, a handbook covering matters such as rubbish disposal and being a considerate neighbour.

To join a new focus group and help to produce the second edition, get in touch with your home, email Kate Bailey k.bailey@surrey.ac.uk

Free meeting rooms for local charities

Surrey Technology Centre, based at Surrey Research Park, is offering registered local charities free use of its rooms for meetings.

Rooms can be booked on weekdays from 5.30pm to 9pm and between 10am and 4pm on Saturdays and Sundays.

Use the crowd to fund your project

The University is supporting a new venture to help community groups, businesses and individuals across Surrey raise funds for worthy projects.

Crowdfunding Surrey is a simple way to ask a large number of people to pledge a small amount of money for an event or cause. Crowdfunding uses the internet to talk to thousands of potential funders who can view each project through the website.

The Crowdfunding Centre has raised over £180,000 for projects as diverse as a community farm and a cancer support network.

Surrey Business School has helped launch the University’s crowdfunding site for campus activities and will be offering its expertise to the community.

Jim Sears, Senior Tutor in Entrepreneurship and Innovation at Surrey Business School, said: “We have a wealth of experience in enterprise and innovation and we are keen to work with groups to help build their organisation and ideas. Look out for details on our crowdfunding workshops during the year.”

To find out more about some of the projects, visit surrey.ac.uk/crowdcrowd

Feature

The University's position in the UK for Student Satisfaction (2nd) compared with all chartered universities (1st)

The number of visits to Surrey Sports Park

Employment in the University and the Research Park

The value added to the UK economy annually (GVA) by the University and its Research Park

The number of students at the University

The University in the numbers

The number of jobs in Guildford directly or indirectly supported by the University and the Research Park

The number of students at the University

The number of jobs created by the University and the Research Park

The number of visits to Surrey Sports Park every year

The number of students at the University

The total number of our students

The University’s position in the UK for Student Satisfaction

The University’s position in the UK for Graduate employability

The University’s position in the UK for Research Park

The University’s position in the Complete University Guide 2016

The University’s position in the Complete University Guide 2015 (league table 2015)

The University in numbers

The University’s position in the Complete University Guide 2016

The University’s position in the Complete University Guide 2015 (league table 2015)
Surrey partners with the National Physical Laboratory

The University of Surrey along with the University of St Andrews, has entered into a partnership with the Department for Business, Innovation & Skills (BIS) to set a new strategic direction for the world-renowned National Physical Laboratory (NPL), a global centre of excellence in measurement science.

NPL is the UK’s lead National Measurement Institute and has developed and maintained the nation’s primary measurement standards for more than a century. New discoveries in science, the manufacture of complex products, the safe operation of equipment and the treatment of medical conditions are just a few of the areas which are totally dependent on the science of measurement. In today’s society there is very little that does not in some way or other have some reliance on measurement science and NPL. NPL’s measurements help to save lives, protect the environment and enable citizens to feel safe and secure as well as supporting international trade, companies and innovation.

An important focus of the partnership will be the establishment of a new Postgraduate Institute which will train high-calibre PhD students and provide a pipeline of professionals skilled in the area of measurement science.

The University of Surrey has for many years worked closely with NPL and shares its enthusiasm for developing science for the benefit of society. The partnership brings with it the ability to accelerate that contribution and extend the University’s own science interests.

Transforming cancer care

Chemotherapy is a very effective cancer treatment that has helped save millions of lives, but the side effects can be severe.

The University of Surrey is leading a pioneering project that could transform cancer care – and significantly reduce healthcare costs – by enabling clinicians to remotely monitor patients undergoing chemotherapy treatment, via a mobile phone.

The eSMART (Electronic Symptom Management using Advanced Symptom Management System) Remote Technology project involves giving patients with breast, bowel and haematological cancers a phone with an app-like programme that helps them to identify and record their chemotherapy symptoms daily. This information is sent securely to a computer and triggers an alert to doctors or nurses if the patient requires assistance. The phone also offers patients real-time information and advice on how to manage their symptoms at home.

Researchers, led by Professor Nora Kearney, Professor of Cancer Care and Head of the School of Health Sciences, believe the system will reduce the side effects of chemotherapy and help to identify and treat life-threatening side effects much quicker than current care systems.

Professor Kearney said: “Over three million people are diagnosed with cancer each year in Europe and it is likely that this number will increase by at least 65 per cent over the next 20 years. eSMART will give patients continual support throughout their treatment and after chemotherapy, while allowing them to remain in the comfort of their own homes. It will revolutionise the way our healthcare system supports people with cancer.”

How diet can reduce the risk of dementia

Research reveals it may be possible to protect the health of your brain through eating well and following a few simple guidelines.

Professor Margaret Rayman has worked with former Surrey students Katie Sharpe and Vanessa Ridland (registered dietitians) and health writer and nutritionist, Patsy Westcott, to uncover the science behind food and nutrients most likely to keep dementia at bay.

“I have personally seen the devastating effect that dementia can have on people’s lives,” said Professor Rayman. “With nearly 86 million sufferers worldwide and 7.6 million new cases of dementia every year, there’s an urgent need for prevention.

“I think there’s a lack of awareness that people can potentially reduce their own risk of developing the condition by making some relatively simple dietary and lifestyle changes.”

Together, Professor Rayman and her team of experts have co-authored an evidence based cookbook, using ingredients that are thought to reduce the risk of the disease. Healthying eating to reduce the risk of dementia covers:

- Why a healthy dietary pattern and certain foods or nutrients can reduce the onset of dementia e.g. a Mediterranean-style diet, fish, olive oil, citrus fruits, berries, pistachio nuts, baseloot, other fruits and vegetables, red wine and grape products, cocoa/high-flavanoid chocolate, vitamins B, C and E, monounsaturated fatty acids and long-chain omega-3 fatty acids.
- How the best available evidence suggests that a healthy diet is more beneficial than supplements
- Why non-nutrient compounds (e.g. polyphenols), such as those that give foods their colour, taste, texture and aroma, are also important to brain health.
- How the synergy between different foods results in the whole diet being greater than the sum of its parts.
- Healthy Eating to Reduce the Risk of Dementia was written by Professor Margaret Rayman, Katie Sharpe, Vanessa Ridland and Patsy Westcott is published by Kyle Books.

Prostate cancer test moves from Surrey labs to a final clinical trial

A pioneering urine test that could herald new ways of diagnosing prostate and other cancers could be available to doctors worldwide by as early as 2017.

The University of Surrey has signed licence deals with Randox Laboratories (UK) and Zeal Scientific (USA), both international medical diagnostics companies, to develop and market the groundbreaking new test that detects prostate and bladder cancers and offers a more reliable way of discovering these cancers earlier than the current urine test.

Following the successful completion of five small-scale clinical trials in the UK and USA, the final study in prostate cancer, which will be the basis for launching the test into NHS clinical trials, will begin shortly.

The test looks for ENZ which is secreted by cancer cells into urine, where it can be detected in a small urine sample. The final, and hopefully definitive, trial, will involve 500 men with symptoms that may indicate prostate problems who will be referred by their GP to a hospital Consultant Urologist. This trial will form the basis of a submission to the government regulator for permission to make the test generally available for the diagnosis of prostate cancer. The trial may also tell us whether the cancer is large and aggressive and therefore needs treatment immediately, or whether it is small and slow growing and may be suitable for monitoring rather than treatment. Partnering with Randox Laboratories in the UK has obvious advantages of moving the ENZ test swiftly to GP and hospital clinics in the NHS once this trial has been completed.

Hardeep Pandha, Professor of Medical Oncology, is part of the team at the University of Surrey working on the project, with Professor Richard Morgan, now at the Cancer Therapeutics Institute at the University of Bradford. He said: “We are making good progress on ENZ and believe developing the final version of the test and the 500 patient trial will commence in May. This trial will be led by the Royal Surrey County Hospital and involves our key partner hospitals in our cancer network. We hope to complete the study by the end of this year.”

The research that led to the development of the test was jointly funded by the University and the Surrey-based charity The Prostate Project.

Cleaning up space

Researchers at Surrey Space Centre have been building new technologies to aid spacecraft repair and disposal of radioactive waste.

As the Head of the Surrey Technology for Autonomous Systems and Robotics (STAR) Lab within the Surrey Space Centre, Professor Yang Gao and her team are working on a four-year project called ‘Reconfigurable Autonomy’.

“Repairing space vehicles and sorting out space debris is challenging, dangerous and costs a lot when you employ humans to do the work,” Professor Gao said.

“However, the starship becomes a lot smarter when it doesn’t need to rely on humans. We want to develop a system that can improve the efficiency and safety of the entire space exploration sector.”

STAR Lab is also working with Chinese scientists to discover more about the moon’s surface, extracting data from relevant technologies.

Science and Innovation

Illumination and exploration

The University of Surrey’s industrial partnerships ensure our academics are at the heart of shaping future technologies.

Home to award-winning departments and globally-leading research centres, our experienced scientists and researchers are changing the world as we know it through research into areas such as electronics, communications, physics, health, medicine and space science.

In this article, we take a look at some recent examples of groundbreaking research coming out of the University.

Did you know?
The University is one of a select few to have won the prestigious Queen’s Anniversary Prize for Higher Education three times.

Did you know?
The University owns a purpose-built centre, Surrey Clinical Research Centre (SCRC), which conducts research into areas such as oncology, immunology and vaccine development.
### Lifestyle

**Living and working in Guildford**

As well as working at the University, many of our staff live in the local area. We caught up with some of them to find out why they decided to live and work in Guildford.

Jane Ogden, Professor in Health Psychology at the University, has lived in Guildford for ten years. Her two children both attend Guildford County School.

“Guildford is a fantastic place to live for so many reasons. It has great state schools, it’s within minutes of the countryside for walks and stately homes, the town is full of shops, cafés and restaurants and there is a lovely theatre and indoor pool for nights out. I moved here when my children were small and I have made friends through work and the school playground and by joining a choir. It’s great being able to recognise people wherever you go. Most importantly, Guildford has a strong sense of community which makes it easy to feel as if you belong.”

Brian Kilmister, Director of Wellbeing at the University, moved to Guildford with his wife and daughter last year, having previously lived in London.

“Being just around the corner from Stoke Park is great, especially when it comes to firework nights. I enjoy a kick about with a local five-a-side team at the Spectrum and regularly go to the Sports Park, bragging along visiting family members on a regular basis! It’s great being able to take to walk along the cycle ways and I especially like to take in the tree carvings alongside the River Wey. The Cathedral has also been a revelation – it has offered my family a lovely place for meditative prayer and we have been pleasantly surprised by some of the art exhibitions that they have put on.”

Robert Smith, Director of the University of Surrey’s Centre for Cyber Security, has lived and worked in Guildford for eleven years.

“Like being able to cycle or walk to work. Cycling is certainly the quickest way to get around the centre of Guildford in rush hour. I like the strong community feel, it’s a friendly town and there’s always something going on. I’ve recently discovered Guildford Park Run at Stoke Park and I’m aiming to participate regularly. I’m also a Governor at my two daughters’ secondary school, Guildford County School, which is very interesting and varied – there are plenty of challenges in school education at the moment!”

**Don’t pay for internet without your privacy**

Whether on the bus or at a coffee shop, accessing mobile internet out and about is now as popular as going online at home or in the office. Professor Alan Woodward of the University’s Department of Computing offers tips to stay safe online when on the go.

- **Turn off your WiFi when out of range of the corporate network**
  - A Wi-Fi capable device is a potential hackable target.
  - Ensure you have a secured, private connection.
- **Be aware of who is around you and may be watching what you are doing online**
  - Consider using a privacy filter which effectively blocks the view of your screen from people sitting either side of you.
- **Turn off your WiFi when out of range of the networks you usually connect to.** If you don’t, you can still be transmitting information that could be used to track, or worse, connect a fake access point to your phone pretending to be one of the known networks. Your email or anything else passing over the connection is a potentially hackable target.
- **Ensure you have effective and updated antivirus/antispyware software and firewall running before you use public WiFi**
- **Consider using a virtual private network (VPN)**
  - A VPI is a tunnel that encrypts data passing through it and prevents hackers from accessing data you transmit.

**Come on a campus tree tour**

The University’s Annual Trees Walk in partnership with Guildford Borough Council’s summer festival, Walkfest, will take place from 1pm on Wednesday 22 July. Led by Simon Smith, Assistant Horticultural and Landscape Manager for the University, residents will be introduced to the campus’ many specimen trees.

Simom said: “The Annual Trees Walk is a popular and long-standing tradition here at the University. Residents who come along can expect to learn more about the campus’ tree collection of over 100 different species.”

To book a place on the Annual Trees Walk, call Simon Smith on 01483 683 283 or email s.smith@surrey.ac.uk

**Guilford Stargazers: Jupiter calling**

Earlier this year, the University unveiled its new teaching and outreach telescope, enabling student astronomers to observe the likes of Jupiter and its moons, the Andromeda galaxy and the Orion Nebula.

Guilford residents are invited to take part in regular stargazing evenings on the University’s Staff Hill campus.

The sessions are open to all and feature interactive presentations from Astrophysicists experts.

Professor Justin Read of the Astrophysics group at the University, said: “These sessions are a fantastic opportunity for stargazers of all levels to come and experience the night sky and understand more about our work here in Surrey on dark matter, galaxy formation and cosmology.”

For more information, visit surrey.ac.uk/physics

**Surrey students bridge the generational gap**

Students from the University of Surrey are helping to bridge the gap between Guildford’s older and younger generations.

- **Dance and Music students, Alice Walker, Emma Legg and Amy Hunter, support Guildford’s monthly tea dance, Remember When, started by local resident, Shala Asha.**
  - The tea dance provides a social activity for elderly people, helping to tackle loneliness, physical deterioration and the early stages of diseases such as Parkinson’s and Alzheimer’s.
- **Professor Alan Woodward in a Visiting Professor at the University’s Department of Computing. He is a Fellow of the British Computer Society, Institute of Physics and Royal Statistical Society. Alan’s specialities lie in cybersecurity, communications and forensic computing and he is currently an Advisor to the European Union’s law enforcement agency and has advised Government for many years.**

The next courses will begin in September 2023.

**Learn a new language**

Fancy learning a new language for business or leisure or keen to brush up on one you have learnt before? Eight languages at a variety of levels are on offer through the University of Surrey’s School of English and Languages. The list includes Mandarin Chinese, English as a foreign language, French, German, Italian, Portuguese, Russian and Spanish.

- **Learn a new language**
  - Taught by experienced tutors who are native or near-native speakers, people attending the evening classes also benefit from access to the University’s language lab and Language Study Area where they can watch world television, DVDs, read international magazines and use interactive programmes to practise their language.

Surrey is now ranked among the UK’s elite Universities for modern languages and Humanities according to The Guardian University League Table 2015. The University takes third place after Cambridge (first) and Oxford (second).

The next courses will begin in October. For more information, visit surrey.ac.uk/englishlanguages
Dr Malcolm Parry, Director of Surrey Research Park, reflects on 30 years of local enterprise.

This summer marks the 30th anniversary of Surrey Research Park, the University of Surrey’s 70-acre site located behind the Royal Surrey County Hospital.

Over the last three decades, the park has been home to more than 500 companies and today accommodates a sum of £600m to the UK economy.

The University’s early vision for the park was heavily influenced by the arrival of Personal Computers (PCs), which liberated technology-minded entrepreneurs from needing expensive, mainstream computer access to earn a living. The adoption of PCs in the Seventies and Eighties consequently shaped the planning of the Park’s office space, a model that is still relevant today with the development of the internet and digital technologies.

Since the first brick was laid in 1984, the Park has helped to create more than 7,000 technology jobs in Guildford. It is also home to an important European cluster of computer games companies that have earned the legacies of the sector’s early players, who were among the Park’s first tenants.

Business incubation was an important and pioneering concept for the Park, leading to the opening of Surrey Innovation Centre (SIC) in 1983. For many businesses that had the chance to move fast, Surrey Research Park was their springboard to growth.

The centre has played a part in the journey of more than 40 per cent of the companies that now occupy the Park’s larger buildings.

Technology-based businesses on the Park also represent a critical group of players in the evolving innovation scene.

With help from the Department for Business, Innovation & Skills (BIS), SIC now houses the Surrey Incubation Programme and the Surrey 100 Angel Club. These initiatives have contributed to the Park’s reputation as one of the most successful parks in north west Europe.

Surrey Research Park has helped to raise the University of Surrey’s profile as an institution that is in touch with the market. Together with its Research Park, the University boosts the UK economy by £1.5 billion a year and directly or indirectly supports around 10,000 jobs in Guildford. The Park has also generated more than £50m of funds for the University, which have been reinvested in scholarships.

Over the years, the University and its Research Park have invested significantly in the transport infrastructure in west Guildford. In 2011, a team of Royal Surrey County Hospital surgeons designed a new junction outside the Royal Surrey County Hospital, where Gifford Avenue meets Egerton Road. The University also contributed £2m to help fund the junctions construction. Other investments include the A3 underpass next to Tesco, and £1m spent on the cross-town bus network, new cycle routes and other travel plan initiatives.

Surrey Business School funds scholarship programme

Talented business leaders have the chance to compete for a partially-funded Master of Business Administration (MBA) qualification as part of the University’s Business School Scholarship Programme. The centre will open the Surrey Business School up to 50 per cent of the fees – or up to £11,750 for students looking to fast-track their business careers.

Bill Payne, President of the School of Business Management, said: “An MBA should deliver more than modules, lessons and an opportunity to meet other professionals. MBAs should also deliver a range of added benefits such as lifelong networking, career mentors and the kind of support that can shape the future. At Surrey we refer to our MBA as the Connected MBA for this reason.”

Sarah Yanwood-Lovett, Principal Ecological Consultant at The Ecology Consultancy, won a place on last year’s scholarship programme. She undertook an MBA to supplement her specialist knowledge with wider business skills. She said: “The qualification offered me an ideal balance of modules and an impressive network of mentors to offer support. The applied approach of the course benefited my company as well as my own development and I would recommend it to anyone.”

For more information, contact Sophia Neveling on 01483 689 186 or email n.neveling@surrey.ac.uk or visit surrey.ac.uk/mba

Surrey 100 raises £30m

Over £30m has been invested in start-up companies through the University of Surrey’s 100 Club, the South East’s leading Angel Investment Network. The Surrey 100 team provides coaching to early-stage businesses seeking funding and does not charge any fees or take a share of any investment its companies achieve, making it almost unique amongst Angel networks.

The aim of the Club is to connect entrepreneurs and start-up ventures with investors by facilitating access to funding. It carefully selects a crop of businesses from an extensive range of sectors, showcasing those ventures that are ready for investment at the Club evenings.

A student perspective

The University of Surrey has around 14,100 students studying a range of part-time and full-time programmes. Our international students have joined us from over 120 countries, making us one of the most culturally diverse universities in the UK. 51 per cent of new students require accommodation here in Guildford live in University halls of residence which are most popular with first year students and international students. This puts the University in the top five per cent of universities in the country for providing accommodation on campus. Many students in their second year of study choose to live off-campus within a more traditional community setting. We asked some of our students about living in Guildford.

Katyt Sawyer, 22, from Essex, is studying for an undergraduate degree in Law. Katyt will take up a new post next month as the Vice-President Community in the Students’ Union.

“Studying in Guildford has given me the chance to get involved in so many activities. During my placement year, I worked here in the town at the National Centre for Domestic Violence, meeting local people and helping to make a difference to the lives of others. I have also enjoyed volunteering for the community Marke. I have been from being a receptor at the Citizens Advice Bureau and an Olympic Torch Relay Marshal, to organising projects in the community.

Through my involvement with the Students’ Union Volunteering Society, I have worked with some incredibly passionate people – helping them to organise events at local schools, planting days, and performances at community centers. It has been brilliant to feel included as part of the community and I have truly loved living here. Students do so much for the community and I have been fantastic to meet local people who appreciate their efforts.”

For more information and to register, visit surrey.ac.uk/opendays
Music Theatre Dance

At Surrey, we’re fascinated by theatre. We research it, teach it, put on shows and discuss its many changing forms.

The Department of Theatre and Dance is a thriving centre for performing arts including Theatre Studies and Dance at Postgraduate and Undergraduate level. The department offers a host of courses at the flagship drama conservatoire (now part of the University) the Guildford School of Acting, the Department is home to the Ivy Arts Centre, a multi-purpose performance space featuring a state-of-the-art theatre, studio spaces and bar area. The Ivy hosts around 100 events every year including student performances, visiting artists and companies. GSA performers also take place in London theatres as well as at the Yvonne Arnaud, the Mill and the Electric Theatre in Guildford Town Centre.

Events coming up this summer include musical theatre shows, drama productions, visiting dance and theatre companies, film screenings and more. The autumn will see a new season of productions. GSA also provides opportunities for young people locally to learn their craft and take part in a range of classes and courses at the GSA Summer and Easter schools, Saturday School, and other courses tailored to young people considering a career in theatre. The Department of Music & Media and the Department of Theatre & Dance are part of the University’s School of Arts, which is also home to the Lewis Elton Gallery – an exhibition space on-campus featuring student work, poetry and painting classes, staff research activities, visiting exhibitions and installations.

The School of Arts also manages the University’s art collection including the many sculptures on campus.

For information on events and activities coordinated by The School of Arts visit surrey.ac.uk/arts

Sculpture culture

The University’s Annual Architecture and Sculpture Walk will take place from 10am until noon on Sunday 12 July. Led by Patricia Grayburn MBE, Arts Administrator, and Professor Stephen Baker, Development Director of Surrey Research Park, visitors can expect to see the following pieces:

1. The Geodesic Dome
   The Geodesic Dome, presented to the University in 1962 to mark the Space Structures Conference, is based on the original construction by Buckminster Fuller.

2. Alan Turing
   A statue of Alan Turing by John W. Mills PPRBS, ARCA, unveiled by HRH The Earl of Wessex on 28 October 2004. Alan Turing, who is considered to be the Father of Computer Science, spent some of his life in Ennismore Avenue, Guildford.

3. Acrobat
   Natalie Stanford’s figure of an Acrobat, suspended from the ceiling of the Austin Pearce building. Stanford trained at Wimbledon College of Art and used to live in Guildford.

4. Thinking Of My Future
   Thinking Of My Future was donated by the daughters of Sir David Orr, who used to live in Guildford.

5. The Surrey Stag
   Five metre high stainless steel stag by Alan Syl FRBS, who was also the sculptor for The Surrey Scholar in Guildford High Street. The Surrey Stag is Syl’s stylised interpretation of the University’s crest.

6. All The Gang Are Here
   Three bronze wolves by sculptor Carol Driven SRSA who lives in Guildford.

7. Knife Birds
   Knife Birds, a bronze sculpture by Bridget McCrann FRBS who was inspired by African tribal knives in the British Museum.

8. Spine
   Spine by Dane Maclean FRBS, situated by the lake, was highly commended in the Guildford Heritage Awards 2005. The sculpture was made as a memorial to her father, a surgeon, and is constructed of stainless steel which changes colour according to the light.

To book a place on the tour, call Jo Baker on 01483 686 641 or email jo.baker@surrey.ac.uk
new sports pitches

In February, the University opened a new tennis court of grass sport pitches at Surrey Sports Park after 18 months of development.

The new tennis court represents another £1.8 million investment in sports facilities for students and local community teams, featuring one eleven-a-side football pitch and two rugby pitches.

Professor Sir Christopher Snowden, Vice-Chancellor of the University, said: “We have made significant investments in recent years to ensure that our campus and sporting facilities are a world-class standard.

“As well as students, Surrey Sports Park is open for local residents. With a new tennis court of sports pitches, I hope to see many more members of the community making use of our state-of-the-art facilities.”

£500,000 gym upgrade

Surrey Sports Park has announced plans for a £500,000 refurbishment of its health and fitness centres.

The Sports Park is set to continue its partnership with Life Fitness to deliver a new gym overhead for its 4,000 members this summer.

The investment will see the introduction of new equipment, more stations, elite-level strength and conditioning and functional training areas.

The announcement comes after a £40,000 investment in 24 new Spinner® Biking® taking on the Spinning Stage.

Get in shape

Surrey Sports Park is a 150m development that excites anyone with a sporting interest. Located opposite the Royal Surrey County Hospital, the Park is open to the local community to enjoy all the benefits of exercise, fitness, dance and sport.

From racquet sports, a gymnasium and a 50m swimming pool to award-winning grass pitches, fitness studios and a climbing wall, the Park has something for all ages and abilities.

Since opening five years ago, the Park has a rich history of hosting elite teams and athletes including the 17 Olympic and Paralympic nations who used the venue ahead of the London 2012 Olympic and Paralympic Games. The Park is currently the full-time training base for a range of teams including Harlequins Rugby Union, Rugby World Cup winners England RFU Women, 2015 Netball Superleague champions Surrey Storm, British Basketball League Club Surrey United, National Badminton League team Surrey Smashers and UK top five swimming club Guildford City.

Membership starts from £34 a month. For more information, visit surreysportspark.co.uk

Thousands of children take the plunge

Over 4,000 children have progressed through the Surrey Sports Park Swim Academy’s Learn to Swim programme since it began five years ago.

The Pool is a favourite with us both as individuals and as a family.

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Did you know?

The University of Surrey and Surrey Sports Park offer an extensive range of performing arts productions, music concerts, sports events, exhibitions and lectures, there is a huge range available.

What’s on

The University owns a significant art collection and at the University, visit surrey.ac.uk/tellmemore

To subscribe to regular email updates about news and events at the University, visit surrey.ac.uk/tellmemore

Surrey's weekly lunchtime recitals see our talented student musicians perform a range of instruments and styles from Bach to Hendrix. Programmes are usually available the day before. If you would like a copy please email arts@surrey.ac.uk

Welcome from Surrey Sports Park

We love Surrey Sports Park

Sharon Gauer from Guildford

The pristine facilities of Surrey Sports Park have offered my husband and I the opportunity to do more of the sports we enjoy, as well as an incredible range of new activities, both as individuals and as a family.

The pool is a favourite with us all; the children have enjoyed swimming lessons with the Swim Academy and my eldest daughter took her synchro swimming club. Incredible, she now gets to train alongside the GB Synchro team who use the pool, such a great inspiration for her.

My son has sights on becoming an Olympic triathlete so takes part in the Junior Swindon race with his Junior Triathlon course.

Beyond that, they’ve attended toddler groups such as Boogie Babies and Ballet Babies and enjoyed badminton and squash courses, and the swimming wall.

Even I had had swim lessons when the pool first opened, in order to be confident to crawl the 50 metre square! Both my husband and I trained to do our first triathlons in the pool and gym; I completed a super-sprint whilst he just went straight to Ironman level.

As a huge swim fan, I love being able to watch top class Superleague action and to see the Surrey Storm girls training. Indeed, it’s unbelievable how many world class athletes from a variety of sports you regularly bump into in the building.

There’s still a few classes I haven’t managed to try out, but I’ll get through them all eventually!”

http://www.surrey.ac.uk/tellmemore

- The majority of West End shows feature at least one graduate who studied at the University’s Guildford School of Acting (GSA). Famous alumni include Brenda Blethyn OBE, Bill Nighy and Michael Ball

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- The University owns a significant art collection. Professor Lewis Elton, who first had the idea of showing real art in the Physics Department, donated a valuable collection of drawings and prints by Picasso, Chagall and Klee. Drawings from the book series, Winnie the Pooh and The Wind in the Willows also donated by E.H. Shepard in 1974

- Lord Zeppelin played their debut gig at the University of Surrey on October 25 1968

- Several graduates from the University’s Sound Recording (Romsey) degree worked on the award-winning soundtracks for Skyfall and Les Misérables, while another has won a Grammy for his work producing a Mumford and Sons album. Graduate Chris Benstead also donated by E.H. Shepard in 1974

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A great year for our sports clubs

2015 has been a great year for professional sports clubs based at Surrey Sports Park.

Surrey Storm Netball were crowned Superleague champions for the first time in their six year history in April, as they defeated Hertfordshire Mavericks 65-39 in the Grand Final at the Copper Box Arena, breaking their streak of losing three finals in five seasons.

Surrey Smashers Badminton took part in the inaugural National Badminton League season, the first ever professional badminton league in the UK, and secured their place in the Championship Play-offs. Glasgow 2014 Commonwealth Games medalists Gabby Adcock and Chris Langridge played for Smashers among other international badminton stars.

Surrey United Basketball completed their second campaign in the British Basketball League with renewed confidence and a squad shaping up to challenge the league's top sides next season.

Coming up at Surrey Sports Park

GoFest: 10 July
GoFest is a new family festival of sport, fitness, dance and health. Whether you’re a seasonal sports player, want to try some new activities, burn some calories or learn the benefits of a healthier lifestyle, then GoFest is for you, your family and friends. For ticket prices, visit gofest.co.uk

Surrey Youth Games: 20–21 June
The P&G Surrey Youth Games is a multi-sports competition in which all eleven districts and boroughs in Surrey enter teams into 15 different sporting events. There are events for all ages, including young people with disabilities.

Summer Junior Sport Camps: April – July
Surrey Sports Park has a range of junior sport camps for children aged three to 14, including tennis, football, badminton, swimming, netball and more. All of our camps are led by professional coaches, so all participants can have fun, make friends and pick up new skills from the best leaders.Visit surreysportspark.co.uk