

CARDIFF
UNIVERSITY

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School of Computer
Science and Informatics
Postgraduate
Degree Programmes

www.cardiff.ac.uk/computer-science



Contents

Important Legal Information

The contents of this prospectus relate to the Entry 2019 admissions cycle and are correct at the time of going to press in November 2018. However, there is a significant period of time between printing this prospectus and applications being made to and processed by us, so please check our website www.cardiff.ac.uk before making an application in case there are any changes to the course you are interested in or to other facilities and services described here. Where there is a difference between the contents of this prospectus and our website, the contents of the website take precedence and represent the basis on which we intend to deliver our services to you.

Any offer of a place to study at Cardiff University is subject to terms and conditions, which can be found on our website www.cardiff.ac.uk/offerterms and which you are advised to read before making an application. The terms and conditions set out, for example, when we might make changes to your chosen course or to student regulations. It is therefore important you read them and understand them.

If you are not able to access information online please contact us:

Email: postgradenquiries@cardiff.ac.uk
Tel: +44 (0)29 2087 0084

Your degree:

Students admitted to Cardiff University study for a Cardiff University degree.

Welcome to the School	1
Cardiff: a Capital City	2
Cardiff: the University	3
Accommodation	4
Postgraduate Student Support Services	5
About the School	6
Postgraduate Study	8
Professional Placement	9
MSc Advanced Computer Science	10
MSc Cybersecurity	11
MSc Artificial Intelligence	12
MSc Conversion course: Computing	13
MSc Conversion course: Computing and IT Management	14
Joint degree: MSc Computational and Data Journalism	15
Joint degree: MSc Data Science and Analytics	16
Joint degree: MSc Social Data Science	17
MSc Software Engineering	18
Research	19
Student Profiles, Alumni and Employability	22
PhD and the Doctoral Academy	24
International Students	25
Funding your postgraduate study	28
How to find us	29

Welcome to the School of Computer Science and Informatics



The School of Computer Science and Informatics offers a range of flexible and diverse degree programmes to suit the different expectations and aspirations of today's students.

Based in Europe's youngest capital city, we are blessed with a great location and excellent facilities for you to reach your full potential.

The prospects for master's graduates in Computer Science from Cardiff University remain very strong, with 88.2% (DLHE survey 2016/17) of Computer Science's full-time postgraduates were in professional employment and/or graduate-level further study 6 months after graduating.

We offer a variety of challenging and stimulating master's degrees suitable for students with diverse academic backgrounds, which we regularly review and update to ensure the content is both contemporary and relevant. We place a strong emphasis on employability, and have established an External Advisory Board made up of successful figures from industry and academia who provide guidance, insight and feedback on our learning and teaching.

You will have the opportunity to work with staff at the forefront of research in their disciplines, and access to dedicated facilities and equipment in your field of interest. Our academic staff are enthusiastic technologists and computer scientists, being leaders in the areas of their expertise and keen to share their skills, knowledge and understanding. Much of the research that our School undertakes is internationally leading and part of our mission is to share the excitement of discovery and innovation with our students.

If you want to learn more about life in our School, please feel free to join us on Facebook and Twitter, and you are welcome to check out what our alumni are doing on LinkedIn. It would be a pleasure to see you in Cardiff, and on behalf of all staff here at the School of Computer Science and Informatics, may I wish you the best of luck with your future studies.



Professor Stuart Allen
Head of School



Dr Jianhua Shao
Director of Research
shaoj
@cardiff.ac.uk



Dr Martin Chorley
Director of Teaching
chorleymj
@cardiff.ac.uk



Professor David Walker
Director of International & Engagement
walkerdw
@cardiff.ac.uk



Dr Fernando Lozides
Postgraduate Operations Leader
lozidesf
@cardiff.ac.uk



Dr Leigh Hodge
Postgraduate Admissions Tutor
computing-pg
@cardiff.ac.uk

Cardiff: a Capital City



Key

Cardiff City Centre

- 1 Cardiff University
- 2 Bute Park
- 3 Cardiff Castle
- 4 Principality Stadium
- 5 Shopping centre
- 6 Student neighbourhood

Cardiff is a thriving and attractive city, and an outstanding place in which to live and study.

A beautiful part of the world

Cardiff is located on the coast of South Wales, which has beautiful national parks and beaches only 30 minutes away. Cardiff is approximately two hours from London by train, with excellent transport links to the rest of the UK. Cardiff also boasts an international airport that flies to many cities in Europe and worldwide.

Cardiff is a small, safe, friendly and affordable city with a population of about 360,000 people, with approximately 20% of the population being made up by students. As a capital city it is full to the brim with culture, sports, shops, entertainment, and work opportunities.

The beautiful waterfront area of Cardiff Bay is a modern development of homes, shops, offices, visitor attractions, and the National Assembly for Wales.



Cardiff Fact Check

- ▶ Cardiff has more than 330 parks and gardens
- ▶ Cardiff has been confirmed as Europe's 'third best' capital city to live in, a European Union survey has revealed
- ▶ The popular TV shows Doctor Who and Sherlock are filmed in Cardiff
- ▶ Cardiff has one of the UK's biggest shopping centres, with around 40 million shoppers each year
- ▶ Cardiff boasts prestigious concert venues such as the Wales Millennium Centre, St David's Hall and the Motorpoint Arena, as well as the iconic Principality Stadium
- ▶ Welsh, Europe's oldest living language, is spoken by 20% of the population
- ▶ Cardiff also plays host to the National Museum Cardiff and Gallery of Wales, several theatres and the historic Cardiff Castle
- ▶ Cardiff has a 74,500 seater stadium, an international sports village and a professional football club: Cardiff City FC

Cardiff: the University



Cardiff University has an international reputation for excellence in teaching and research, built on a history of service and achievement since 1883, and recognised by our membership of the Russell Group of leading research-led universities.

In the most recent Research Excellence Framework, a prestigious national assessment exercise by the UK funding councils, Cardiff University was ranked 5th amongst UK universities when judged on research quality and 2nd on its impact.

This has confirmed our place as a world-leading centre of research excellence. Our research staff are world-class and include Nobel Laureates, fellows of the Royal Society and members of other prestigious institutions. We were also awarded our fifth Queen's Anniversary Prize – an award that recognises universities and colleges across the UK for work of outstanding excellence.

Location

The University's Cathays Park campus is located in and around the impressive Portland stone buildings, parks and wide tree-lined avenues that form Cardiff's attractive civic centre. The majority of Academic Schools are located here – just a few minutes' walk from the city centre.

The three Academic Schools offering healthcare courses (excluding Optometry and Pharmacy) are based at the Heath Park campus, approximately one mile away, which is also home to the University Hospital of Wales.

Facilities

A massive £600m capital investment programme across the University, including £260m in student facilities, will help us to ensure that we can give you the best student experience possible.

We are investing £300m in a new Innovation Campus, a research facility that will help to create economic and social prosperity.

One of our most ambitious projects is to create a £50m Centre for Student Life, to provide a central hub for our student support services as well as offering modern, flexible, social learning spaces and a 550-seat lecture theatre.

Facts about Cardiff University

- ▶ We have been ranked 5th among universities in the UK based on research quality (REF 2014) and in the world top 100 (Shanghai Academic Ranking of World Universities, 2017)
- ▶ We are a member of the elite Russell Group of top 24 UK research-led universities
- ▶ We have more than 30,000 students from more than 100 countries
- ▶ Accommodation in University residences is guaranteed for most international students and is within walking distance of the University
- ▶ We have 13 libraries, 28 IT suites, a Wi-Fi enabled campus and more than 1.3m printed books
- ▶ The University is on two campuses at the very centre of Cardiff, the capital city of Wales

Accommodation



We know that where you live is very important to you. You will want to settle quickly and live in a secure, sociable location that is also a suitable study environment.

International postgraduate students are guaranteed a single-occupancy place in University residences for the full duration of their studies, and EU students for the first year of their studies.

Living in a University residence provides you with the opportunity to meet and get to know students from a variety of backgrounds and studying a range of different subjects. Dedicated postgraduate flats and blocks are available so that you can meet, live and work alongside students who understand the demands of postgraduate study.

We have numerous residences, with facilities, locations and budgets to suit every student.

Your choices include:

- ▶ Single or mixed gender accommodation
- ▶ Private or shared bathrooms. About 70% of University residences have private bathrooms
- ▶ Self-catered, part-catered or fully catered (with vegetarian options)
- ▶ A variety of social and sporting facilities
- ▶ A limited supply of residences suitable for couples or families*

Information on how to apply for University residences will be sent electronically to all eligible offer-holders.

Safe and supportive

Each residence has a network of administrative staff, student wardens and security staff to provide you with 24-hour assistance. Only you, your guests, and staff are allowed on University residences sites.

How much do University residences cost?

University residences are great value for our students. The price includes utility bills, internet, and furniture. By combining everything in to one payment, we want to make things as easy for you as possible.

Residences fees depend on a range of factors such as facilities within the residence and whether residences are catered, part-catered or self-catered. Typically a study bedroom in catered residences costs approximately £147 per week. A self-catered residence costs between £108-£137 per week (2018/19 prices for single occupancy residences).

Residences fees and associated charges are payable by Direct Debit in three instalments (usually in October, January and April).

* Please note this cannot be guaranteed and so we would advise you not to bring your family to Cardiff until suitable accommodation has been secured.

Private Sector Accommodation

For UK students, or for any international or EU students who wish to rent privately owned accommodation rather than live in University residences, there is a good variety of accommodation available for rental in the city and close to the University. Cardiff has a diverse accommodation market, with a wide range of housing options for you to choose from. You can contact our Residences Office for lists of properties available to rent. Our Students' Union also runs its own professional letting agency, Cardiff Student Letting, who provide a varied selection of student houses without charging agency fees.

How does Cardiff compare with other places?

“Cardiff boasts one of the lowest living costs in the UK.”

The Complete University Guide 2018

“Compact, multicultural Cardiff dances to its own beat, with abundant cultural and historical sights, independent businesses and a friendly atmosphere.”

Lonely Planet, 2017

Postgraduate Student Support Services

You might be wondering what life is like for the 28,000 students at Cardiff University?

Outside of academia you will find a vast range of opportunities to try new things, meet new people and enjoy the exciting atmosphere on campus.

The Students' Union

- ▶ The University's social life revolves around an organisation called the Students' Union.
- ▶ Every student enrolled at Cardiff University is automatically a member of the Union.
- ▶ The Union is run by a committee of students and is dedicated to the social and welfare needs of all students on campus. All profits made go back into improving the services available to you.
- ▶ The Union building includes a bar, nightclub, concert venue, shopping mall, cafés and an advice centre.
- ▶ The Union runs its own student newspaper, magazine, radio station and television station.

The Lounge

The Lounge is located within the Students' Union and is open to all, free of charge. It boasts state of the art multimedia stations with Skype and VOIP capabilities, versatile work spaces, modern meeting rooms and touch screen tables giving students access to international channels and games.

Student societies

The best way to make friends is to join a student society. These clubs are very important to student life and are run by other students. There are more than 120 societies, many of which represent areas of the world including: Arabia, China, Malaysia, India, Pakistan, Nigeria and many more.

For two weeks every year the international societies celebrate **Go Global** – a festival that showcases the University's diversity involving dance, music and food.

Sport and keeping fit

The University takes sport very seriously, and the Athletic Union runs 60 sports clubs and arranges fixtures against other universities. Almost every popular sport is played at the University and whatever your level you will find an opportunity to play and participate.

Supporting you

The University knows that while you are here you may need some help. You might have an academic question, or you might have a more personal issue.

Cardiff University offers support in many ways:

- ▶ Every student is allocated a personal tutor. Your tutor can assist with any academic or personal problems you may have.
- ▶ The Student Support Centre has specialist international advisers who can help you with visas, housing, finances and anything which you would like to talk about.
- ▶ If you want to talk to someone outside the University, the Students' Union also has an advice centre.



About the School



The exciting and dynamic field of Computer Science underpins many aspects of modern life.

Our stimulating and cutting-edge master's degree programmes will give you a real advantage in the job market, with an advanced qualification highly regarded by employers, and allow you to position yourself to take full advantage of future technological developments.

Teaching, learning and assessment

Modules are delivered through a series of either full or half-day contact sessions, which include lectures, seminars, workshops, tutorials and laboratory classes. In addition, modules will include elements of guided self-study to complete in your own time.

You will study taught modules to a total of 120 credits during the diploma stage of your degree. All taught modules are worth 20 credits. The placement stage (if you are doing one) is worth 120 credits. The master's stage of your degree will be an individual project (worth 60 credits) which you will write up as a dissertation, after the diploma or placement stage.

The teaching year is split into two semesters (autumn: 14 weeks, spring: 17 weeks). Each semester consists of 11 teaching weeks followed by a revision week and an assessment period which is two weeks in the autumn semester and five weeks in the spring semester.

Friendly staff and support

At the start of the course you are allocated a personal tutor, who is an academic member of staff in the School and serves as a point of contact to advise on both academic and personal matters in an informal and confidential manner. Your personal tutor will monitor your academic progress and will also supply references in support of any job applications that you make.

Your personal tutor will monitor your progress throughout your time at university and will support you in your Personal Development Planning. You will see your personal tutor at least once each semester. Outside of scheduled tutor sessions, our senior personal tutor runs an open door policy, being on hand to advise and respond to any personal matters as they arise.

As a School, we pride ourselves on providing a supportive environment through which we are able to support our students with the majority of personal problems that arise. However, as in life, there are things that can crop up that require more specialist help. The University provides a range of specialist services, all free of charge, that students can be referred to if needed. These encompass advice services covering health, careers, finances, counselling and personal development, to name a few.

Student feedback mechanisms

We believe that providing suitable feedback mechanisms is crucial to ensure that the best programmes of study are available to our students. The School has a student/staff panel consisting of elected student representatives and members of teaching staff who meet to discuss academic issues. Any issues that you feel need attention can be highlighted to your student representative, who will raise the query with the panel.

In conjunction with the work of the panel, all students are provided with an opportunity to complete feedback questionnaires at the end of the autumn and spring semesters. These mechanisms allow the School to constantly review courses and our students to receive the best provision, delivered in a consistent manner, across all of our degree programmes.



The school has five dedicated cross-platform laboratories, comprising Macs, Windows and Linux based machines.

Library facilities

The School library is conveniently located in the Trevithick building, within the same complex as the School itself. It also contains a PC room, 24 open access computers, self service issue/return, 24 hour book return and four bookable group study rooms, each equipped with plasma screens.

School facilities

The School has five dedicated cross-platform laboratories, accessible solely by students from the School, comprising Macs, Windows and Linux based machines, as well as a specialist cybersecurity and computing forensics facility. The majority of these labs can be accessed on a 24/7 basis and provide our students with free printing facilities.

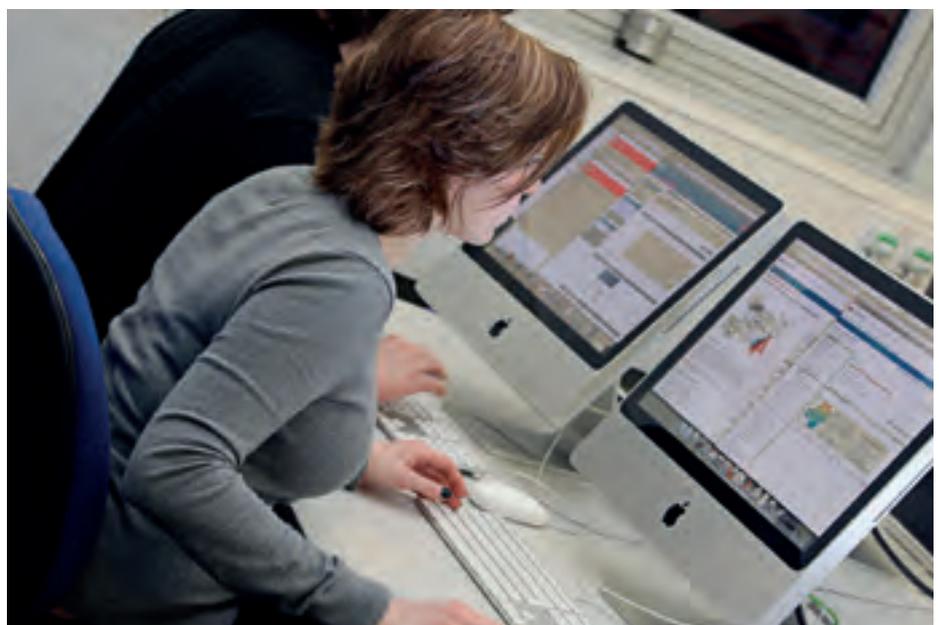
Our facilities are consistently rated among the top three of all computing schools in the UK, by students voting in the annual National Student Survey.

Development

You may have participated in a process of Personal Development Planning (PDP) during your previous studies or in the workplace. During your master's course, PDP is designed to help you to adjust to the intensity and level of study and to build on and enhance the variety of skills which you will have developed during your previous studies and work experience.

PDP will help you to get the most out of your student experience at Cardiff and make your master's year a success by encouraging you to take responsibility for your own learning and development.

Your personal tutor and dissertation supervisor will support you through the PDP process, and the School will provide you with support, guidance and facilities for recording your achievements and reflective statements.



Postgraduate Study

The School of Computer Science and Informatics aims to educate and inspire the next generation of national and international leaders in the discipline.

We are proud to cater for a diversity of interests, backgrounds and aspirations for graduates from the UK and overseas.

The School has significant experience of running MSc programmes, both conversion and specialist. This portfolio of MSc programmes is regularly reviewed and updated to ensure the content is contemporary and relevant, placing emphasis on both research-led teaching (through specialist modules and programmes) and employability. The design of our postgraduate taught course portfolio has been influenced by feedback from alumni, and industrial and academic experts.

Courses available

Programme	Type	Full-time	Part-time
MSc Advanced Computer Science	Specialist	1 Year	3 Years
MSc Advanced Computer Science with Placement *	Specialist	Up to 2 years	Not Available
MSc Cybersecurity	Specialist	1 Year	3 Years
MSc Artificial Intelligence	Specialist	1 Year	Not Available
MSc Computing	Conversion	1 Year	3 Years
MSc Computing with Placement *	Conversion	Up to 2 years	Not Available
MSc Computing and IT Management	Conversion	1 Year	3 Years
MSc Computing and IT Management with Placement *	Conversion	Up to 2 years	Not Available
MSc Software Engineering	Conversion	1 Year	Not Available
MSc Social Data Science	Specialist	1 year	Not Available
MSc Computational and Data Journalism	Specialist	1 year	Not Available
MSc Data Science and Analytics	Specialist	1 year	3 Years
PhD	Research	Normally 3 years	Not Available

* Our two-year 'with Placement' programmes give you the opportunity of gaining 7-12 months professional work experience on a salaried placement (further details on page 9).

Getting involved at the School

We pride ourselves on our reputation of being a small, inclusive, friendly School, and recognise the importance of giving our students the opportunity to take part in extra activities if they wish. As the majority of our current students and successful graduates say, the more you put in during your time at university and get involved, the more you will get out of your experience with us.

We have a dedicated Teaching Operations Team especially for postgraduate taught students, who are responsible for the day to day management of the master's programmes. The team organises a series of activities to support you during your time studying with us.

A warm welcome

You will receive information about the School, our programmes and facilities as well as getting an opportunity to meet other master's students and staff over lunch. During the first weeks of the semester we also run Information Literacy workshops with a Library Specialist to help you effectively search and use high quality references for your master's studies.

Tell us what you think

We believe that providing suitable feedback mechanisms is crucial to ensure

that the best programmes of study are available to our students. The School has a student/staff panel consisting of members of teaching staff and elected student representatives who meet to discuss academic issues. Any issues that you feel need attention can be highlighted to your student representative, who will raise the query with the panel.

Enhance your experience

We organise talks and events that we think will be of interest to you and add even further value to your learning experience with us. These can include inviting former students back to talk about their project experience and give advice for students about to start their projects.

Master's students are also invited to the regular research talks and seminars organised by the School, which can range

from informal discussions between the School's research groups (see page 24 for further information), to prominent high profile speakers leading a lecture in their field of expertise.

A number of our students also attend talks organised locally by BCS, the Chartered Institute for IT, which the School enjoys strong links with. Our visit days also prove to be popular and have recently included trips to BT's data centre and the University's Advanced Research Computing Centre.

Submission

Your master's programme finishes with a submission party, which is organised to coincide with the Dissertation submission date. This gives you an opportunity to relax over drinks and nibbles with other students and staff, before you finally leave us.

Professional Placement

An opportunity to put theory into practice and gain valuable real world experience.

Our School is one of only a few in the UK to offer postgraduate work placement opportunities in the field of Computer Science and Informatics.



The School has a dedicated Placement Officer, Catherine Teehan, to ensure you have access to a broad variety of opportunities

Professional Placements

To ensure you really stand out from the crowd in the competitive job market, we offer students the valuable opportunity to undertake your master's degree over two years with a salaried placement.

The aim of our 'with Placement' degrees is to provide you with the opportunity to gain valuable work experience as part of your master's programme. Employers recognise the mutual benefits to be gained by giving students the chance to learn within a working environment before you progress your career.

How does it work?

Your placement will last between seven and twelve months, normally taking place at the end of the spring semester in July between the taught elements of the course and your final dissertation, allowing you to practice the new skills you have learned and apply the knowledge you have acquired, in the workplace.

You will return to university following successful completion of your work placement at the start of the summer semester the following year to undertake your individual project and write your dissertation, with the aim of completing the course within 24 months of entry. A further benefit of choosing our placement option is that you will have the opportunity to draw upon the practical real life situations you encounter during your industrial experience and incorporate it into your final dissertation.

Whilst students are responsible for finding their own placements, the School works with our dedicated Placement Officer to ensure you have access to a broad variety of opportunities, and that you receive constant support and guidance throughout the whole process. This will begin with a series of workshops and talks provided before the industrial experience to give advice on applying for a placement and on preparing you to get the most from your placement opportunities.



Overseas placements

If you are an international student, it is possible for work placements to be undertaken overseas, allowing you to carry out your industrial placement in your home country if you are able to secure a suitable position. Suitable overseas placements can also be taken by Home and EU students. As with UK placements, this would be subject to the Board of Studies deeming the placements as suitable. Under current UK BA Tier 4 visa regulations International students can undertake paid work for up to 50% of their visit duration, so students enrolled on the two year programmes 'with Placement' will have a valid visa to work in the UK for their placement period. Tuition fees are set at a reduced rate of the maximum full-time tuition fee for students undertaking the work placement.

Further information

Students who are registered on a 'with Placement' programme but who are unable to secure a suitable placement within a company, will transfer their registration to the equivalent degree programme without placement and continue their studies in the summer semester by undertaking their individual project, and subject to satisfactory performance will graduate within one year of commencing their studies.

It is expected that students on placement will be paid by the companies or institutions for the duration of the placement.

The School does not guarantee that a placement can be found for all students.

The placement you secure will also need to be deemed suitable by the Board of Studies.

Professional accreditation

Core to the placement will be the ability to demonstrate competency to Level 4 in one or more of the Professional Skills from the Skills Framework for the Information Age (SFIA) framework, the world's most popular definition of IT skills. During the Placement students will engage in Continuing Professional and Personal Development activities.

The placement therefore provides a strong platform for post-MSc future personal development planning to enable students to continue to develop their skills to Level 5 in the SFIA framework, which is required for Chartered IT Professional Status under the BCS – The Chartered Institute for IT.

MSc Advanced Computer Science

Designed for computing graduates who wish to differentiate themselves further through an advanced mastery of the discipline.

This flagship programme offers exposure to state-of-the-art topics that are driving key technological developments and trends.

You can opt for a two-year programme on this course and apply for a paid 7-12 month work placement (see page 9 for further details).

The course

Computer Science is one of the fastest moving academic disciplines, and the outcomes of research and innovation in this field have a massive social impact. The subject spans all aspects of modern life, and this programme offers you the opportunity to apply new skills and advanced techniques to the area of your choice, whilst allowing you to demonstrate that you are at the forefront of your discipline.

This MSc programme will allow you to hone and expand your existing skills whilst demonstrating independent learning through the duration of the course.

Core to this programme is the opportunity to further develop the scope of your problem solving skills by studying advanced programming languages and new programming paradigms. A module in e-commerce and innovation will enhance your transferable skills and employment prospects.

You will choose to study optional research-led modules that allow the freedom to build a distinctive personal portfolio of skills and knowledge. These are structured around advanced topics in the School's three core research areas: Complex Systems, Data and Knowledge Engineering, and Visual Computing.

During the summer months you will undertake an individual research project and complete a dissertation under the supervision of a number of academic research staff. The topic will be driven by your own interests. 60 credits of the 180 credit programme concern the dissertation and individual supervision. The programme is delivered in our cutting edge learning facilities, which are consistently voted as among the best in the UK by students.

Successful graduates will be able to demonstrate to employers both a deep understanding and broad knowledge concerning state-of-the-art computer science from a research and development perspective.

Graduates from this course will be ideally placed to pursue a number of careers such as systems architects, programmers and software developers, and will be in a strong position to pursue a research career via doctoral studies.



Dr Xianfang Sun
Programme leader

Email: sunx2@cardiff.ac.uk
Phone: +44 (0)29 2087 9355

"This MSc focuses on advanced topics in Computer Science, with an emphasis on subjects which reflect the research strengths of the School. We look forward to working with students from a technical background for this advanced qualification."

main image:

Cardiff University's ARCCA (Advanced Research Computing @ Cardiff), SRIF-3 Cluster, codenamed 'Raven', that is enabling and transforming research across the University.



Appropriate security measures are an essential part of any modern enterprise.

A detailed understanding of the key threats and techniques for ensuring security, privacy and trust are fundamental requirements for successful information systems. Professionals in this field are well placed for a wide variety of employment opportunities.

The course

This programme addresses the key security issues that are faced by global communications and information systems. The programme provides a mix of business context with core security, trust and privacy issues that challenge the IT sector. As well as studying themes such as trust and identity and forensic investigation, security techniques and information, network and cybersecurity, the programme provides an understanding of the e-commerce and business environment. This combined business/security approach provides valuable training for interacting with organisations, and understanding their business functions in a deeper context.

Using case based analysis the programme also gives students the opportunity to learn about forensic approaches to investigation across multiple platforms.

All students will have access to online penetration testing and ethical hacking labs provisioned via a cloud based virtual environment.

This course is recognised by BCS, the Chartered Institute for IT.

Distinctive features

- ▶ Practitioner-led modules integrate the latest research ideas with current best practice.
- ▶ Students will have access to our Cybersecurity and Forensics laboratory. The 40 PCs are able to host virtual machines and can be used to carry out a number of forensic investigations. They are connected to an isolated, local network which can be configured to better explore the security challenges facing today's professionals.
- ▶ Professionally accredited by the BCS, the Chartered Institute for IT.

Successful graduates will gain skills including:

- ▶ An understanding of security theory and practice.
- ▶ Use of security techniques for network-based systems.
- ▶ Knowledge of the influence of security on business practice and e-commerce.
- ▶ Hands-on experience of using security audit, monitoring and assessment tools.



Dr Philipp Reinecke
Programme leader

Email: reineckep@cardiff.ac.uk
Phone: +44 (0)29 2251 0055

“With our increasing reliance on information services that are provided over distributed computing infrastructures (such as cloud computing and mobile/handheld devices such as Android phones), information security has become one of the most significant challenges for both consumers and providers of such services. The increasing use of social media and microblogging platforms also introduces security and privacy concerns that must be acknowledged and responded to. This MSc will equip students with an understanding and awareness of security and privacy issues in a business context, along with skills using techniques and software tools to address some of these concerns.”

MSc Artificial Intelligence

This Master's degree is uniquely designed for those who wish to enhance their understanding and skills in Artificial Intelligence and further their career opportunities within the AI and data-science sector or in pursuit of a research or academic career.

This MSc is ideal for recent graduates in computer sciences looking for specialist skills in Artificial Intelligence.

The course

Central to the design of the course is the opportunity for you to develop your critical judgement, intellectual integrity, academic rigour and practical skills at postgraduate level with specific reference to Artificial Intelligence. The course will provide you with a unique setting where teaching and learning is explored through real world datasets and problems, and is informed by the most up-to-date research in the field.

This MSc has been co-designed by the Knowledge Representation and Reasoning Priority Area that groups together world leading and world renowned researchers in the field of Artificial Intelligence and will introduce you to advanced topics in Artificial Intelligence with a particular emphasis on subject areas which reflect the research strengths of the School including knowledge representation and reasoning, and data science and analytics.

Using a diverse range of teaching and learning styles, modules are delivered through a series of either full or half-day contact sessions, which include lectures, seminars, workshops, tutorials and laboratory classes. You will also undertake a project and independent study to enable you to complete your dissertation. Dissertation topics may be suggested by yourself or chosen from a list of options proposed by academic staff and industrial partners, reflecting their current interests.

The taught modules offer a balanced combination of theory and practice, and these degrees can serve either as preparation for doctoral research, or provide a self-contained advanced qualification in its own right. You will study taught modules to a total of 120 credits during the Diploma stage of your degree. The Master's stage of your degree will be an individual project (worth 60 credits) which you will write up as a dissertation, after the Diploma stage. This project will be carried out during the summer under the supervision of a member of academic staff. This is a part-time course undertaken over three academic years. It is also available as a full-time course taken over one year.

Graduates from the programme will be ideally placed to develop careers as data scientists, artificial intelligence engineers, and data engineers.



Federico Cerutti
Programme leader

Email: ceruttif@cardiff.ac.uk
Phone: +44 (0)29 2087 5032

"This MSc focuses on topics in Artificial Intelligence and Machine Learning, with an emphasis on subjects which reflect the research strengths of the School. We look forward to working with students from a technical background for this advanced qualification."

MSc Conversion Courses: MSc Computing

Designed for graduates who want to move into computing from another discipline, this one-year programme attracts students from diverse career and subject areas who wish to be introduced to the skills required for a career in Software Development.

The MSc Computing programme provides students with an appropriate balance of the software engineering skills and technical abilities needed to develop effective software and systems. This course is recognised by BCS, the Chartered Institute for IT.

To enhance your CV further you can opt for a two-year programme and apply for a paid 7-12 month work placement (see page 9 for further details).

The course

Through this programme you will get a first hand understanding of the vital problem solving role of software, the interdisciplinary opportunities available and what computational systems can achieve. You will learn, practice and demonstrate the professional skills required by all software engineers, individually or as part of a team, when developing a software solution.

Through a gentle introduction and intensive support, you will be introduced to programming skills using important languages such as Java™ and Python™.

The set of compulsory modules is rounded off with a module on e-commerce and innovation aimed at equipping students with an understanding of new business opportunities and how to approach the tasks associated with researching and setting up a high-tech business or social enterprise venture.

A choice of taught optional modules allows you to develop skills in SQL (Structured Query Language) for advanced database functionality using industry standard products such as Oracle™, or to learn about the exciting new area of distributed and cloud computing.

Finally 60 credits of the 180 credit programme concern a dissertation with individual supervision.

Our MSc Conversion programmes are designed to take graduates from non computing backgrounds who wish to pursue a career in the industry.



Dr Yuhua Li
Programme leader

Email: liy180@cardiff.ac.uk
Phone: +44 (0)29 2087 5317

“The School is proud to introduce this redeveloped MSc Computing course, building on the success of a long standing postgraduate programme, which in the past, has seen students move into career areas such as web development and software development, whilst others have selected to remain in academia to do research degrees. We are looking forward to working with students holding various first degrees in either an arts or science subject, and introducing them to the discipline of computing.”

MSc Conversion Courses: MSc Computing and IT Management



Designed for graduates who want to move into computing from another discipline, this one-year programme provides you with a broad technical knowledge and a sound business context for managing IT systems.

These are required to meet fundamental IT sector needs such as planning major projects or improving business processes, and are essential for those with aspirations of a management role in the IT sector.

To enhance your CV further you can opt for a two-year programme and apply for a paid 9 month professional work placement. (see page 9 for further details).

The course

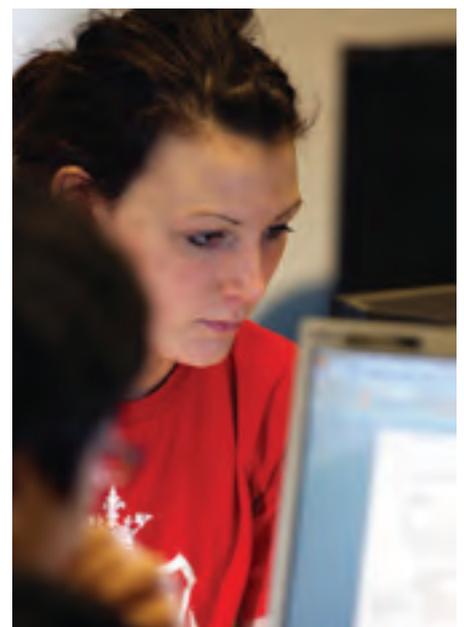
Through this programme you will get a fundamental understanding of software development and supporting technology relating to programming and database management. You will understand the professional skills required to lead IT managers, individually or as a part of a team, working on business change projects.

With an emphasis on how developing web applications can support business operation and the role of e-commerce, you will understand in detail the dependency between business operations and IT systems.

You will be made aware of the challenges in IT management and develop an appreciation of the many factors on which successful IT projects depend.

In addition to being taught industry standard products like ORACLE™, you will have the option of learning about new and emerging technologies, such as cloud computing, that are radically changing the opportunities and threats for the provision of IT systems. You may also opt for human centric computing which focuses on defining and delivering effective information systems from a human centric perspective.

Finally 60 credits of the 180 credit programme concern a dissertation with individual supervision.



Our MSc Conversion programmes are designed to take graduates from non computing backgrounds who wish to pursue a career in the industry.

MSc Computational and Data Journalism

A joint honours degree with the School of Journalism, Media and Culture.

MSc Computational and Data Journalism is an innovative new joint honours degree delivered by Cardiff University's respected and distinguished Schools of Journalism, Media and Culture and Computer Science and Informatics.

The programme focuses on the development of knowledge and skills through research-informed learning in journalism, data science, computer coding and digital development.

During this one year, full time programme, you will benefit from a combination of lectures, seminars and workshops to develop your skills in an open, discussion driven environment.

You will initially gain a solid foundation in journalism and computing, before specialising in your areas of interest and finally completing a practical and research based dissertation project using the unique skills that you have acquired.

- ▶ The perfect foundation for a career at the forefront of digital journalism.
- ▶ Designed to respond to a shortage in skills reported by employers.
- ▶ Built to develop professional writing and editorial skills.
- ▶ Delivers specialist training to understanding data, coding and web application development.

Who should study this course?

The master's degree in Computational and Data Journalism provides the perfect vantage point from which to succeed in the world of digital journalism. No previous knowledge of computing is necessary and the programme is open to graduates from any discipline.

This MSc is ideal for recent graduates looking for specialist skills in digital journalism and coding that are proven to be in demand by leading organisations.

- ▶ This innovative programme is the first of its kind in the UK and is supported by leading industry bodies such as the Financial Times, the BBC and the Office for National Statistics.
- ▶ An exciting guest lecture series will feature leading figures in the world of digital journalism and computing.
- ▶ Specialist modules include science reporting, business journalism, crisis reporting, visual communication and information design.

Course structure and modules

The course is structured in three phases – Foundation, Application and Specialisation, Dissertation – in order to support students in the development of skills and knowledge in the key aspects of the course. Each student is appointed a personal tutor to support them during their studies.



Mr Glyn Mottershead

Course Co-Director

School of Journalism,
Media and Culture

Email: mottersheadgg@cardiff.ac.uk
Phone: +44 (0)29 2087 6183



Dr Martin Chorley

Course Co-Director

School of Computer Science
and Informatics

Email: chorleymj@cardiff.ac.uk
Phone: +44 (0)29 2087 4683



MSc Data Science and Analytics

A joint honours degree with the School of Mathematics.

Taught by experts in Statistics, Operational Research and Computer Science, this new and innovative MSc will help you develop both the theoretical understanding and practical experience of applying methods drawn from data science and analytics.

You will be equipped with a range of in-demand skills for extracting and handling 'big data', discovering and communicating meaningful patterns from the data, and applying modelling tools to help businesses and government organisations make better decisions.

You will study fundamental topics in data science and analytics across both the School of Mathematics and School of Computer Science and Informatics. These will allow you to develop a number of skills appropriate for employment in these sectors or leading on to further study by research including:

- ▶ Data handling and extraction
- ▶ Programming
- ▶ Machine learning and informatics
- ▶ Problem solving and modelling.

There will be an opportunity for an industrial based 3-month dissertation project, allowing you to gain real-world experience and appreciation, helping you stand out from the crowd when applying for jobs. Some of these will placements will be abroad given our strong international links.

You will acquire transferable data science and analytics skills that are highly sought after in a broad range of sectors.

Course structure and modules

The course is structured in two stages, a taught component and a project dissertation.

We have designed and structured our programmes with both full and part-time students in mind. Full-time students will complete the programme in 12 months, which includes a 3-month dissertation project (this typically will involve working with a company on a real problem of importance to that company).

Part-time students will typically only need to be in the University for lectures and workshops for the equivalent of one day per week over 24 weeks each year. You will usually complete the taught component of the programme over two years with up to a further year to complete the project dissertation.

Core modules:

- ▶ Statistical Methods
- ▶ Optimisation Methods
- ▶ Pattern Recognition and Data Mining
- ▶ Python for Data Analysis
- ▶ Dissertation



Dr Andreas Artemiou

Course Co-Director

School of Mathematics

Email: artemioua@cardiff.ac.uk

Phone: +44 (0)29 2087 0616



Dr Xianfang Sun

Programme leader

School of Computer Science and Informatics

Email: sunx2@cardiff.ac.uk

Phone: +44 (0)29 2087 9355

MSc Social Data Science

One of the few Data Sciences courses in the UK. This programme is delivered collaboratively by the school of Computer Science and Informatics and the School of Social Sciences.

This Master's degree will act as an excellent platform to pursue further advanced study and research. This MSc is ideal for recent graduates in computer or social sciences looking for specialist skills in data collection, transformation, modelling, analysis and interpretation required to make sense of online behaviours, interactions and populations using Big Social Data.

The course

Central to the design of the course is the opportunity for you to acquire real research experience in connection with world-leading scientists who have a strong research track record with direct relevance to policy and industrial application, greatly enhancing your CV and prospects for employment or further study.

As well as providing a solid core in all the necessary elements of Social Data Science, the programme allows a choice of elective modules and project work that can be tailored to suit whatever specialism you are interested in, whether that be data visualisation, machine learning and statistics, evidenced-based policy, or analysing web-based data.

You will join a well-established and growing cohort of MSc students and be based in a dedicated teaching facility that encourages a "research group" community atmosphere that has been praised by students and external examiners. You will also have the opportunity to interact with students on related courses such as our MSc Data Science and Analytics and MSc Advanced Computer Science programmes.

The course is delivered by members of our Data Innovation Research Institute, which was recently established to conduct research into the aspects of managing, analysing and interpreting massive volumes of textual and numerical information

Core knowledge and understanding is acquired via lectures, tutorials, lab work and guided study. More advanced knowledge and understanding is acquired by independent study and the summer project.

During the summer months you will undertake an individual research project and complete a dissertation under the supervision of a member of academic staff. The topic will be driven by your own interests and will account for 60 credits of the 180 credit programme.

Graduates from this course will be in an outstanding position to gain employment in academia, government or industry as a Data Scientist with a focus on social data.



Pete Burnap
Programme leader

School of Computer Sciences
and Informatics

Email: burnapp@cardiff.ac.uk
Phone: +44 (0)29 2087 6249

MSc Software Engineering



We know from talking to industry and businesses that there is significant demand for skilled software engineers.

Research shows that there is a shortage of qualified software engineers not only in Wales and the UK, but also on a global scale.

The National Software Academy aims to address this shortfall by producing highly employable, sought-after professionals with an industrial edge who will be recognised as leaders in their field.

Who should study this course?

The MSc Software Engineering is designed for graduates from diverse backgrounds who have some prior experience of programming to gain the skills, knowledge and hands-on experience to be effective as a commercial software engineer.

On this one-year programme based at the National Software Academy in Newport, you will undertake practical development using current leading edge commercial tools and techniques and be exposed to direct industrial involvement in a dynamic commercial-like environment.

After graduating from this programme you will be ideally placed for employment in a career within software engineering or the wider technology industry.

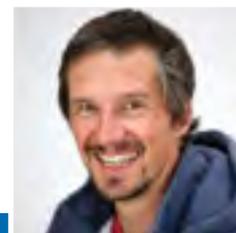
Course content

The course covers a wide range of topics that are sought after by employers, including programming for web applications using languages such as Python, HTML and Javascript, Databases, DevOps and emerging technologies. Throughout the degree there is a focus on team working and the techniques of Agile project management. The programme concludes by working with a real client from industry on an exciting, team-based project that brings together all your knowledge and skills acquired during the degree.

Key skills are taught through lecturer-led sessions that typically involve a high proportion of hands-on, practical learning, using current commercial tools and techniques. You will be given a set of concepts and examples, and are then challenged with one or more problems to which you can apply your new skills.

You will often work in teams to apply your knowledge to achieve solutions to real-world problems in a project-based learning approach. Ample time for mentoring is provided in the timetable, which complements the expected self-study that is required.

Although teaching will take place at the National Software Academy in Newport, you will have full access to the 24-hour computing laboratories in the School of Computer Science and Informatics, as well as other University facilities such as libraries and the Students' Union.



Ian Cooper
Programme leader

School of Computer Science
and Informatics

Email: cooperim@cardiff.ac.uk
Phone: +44 (0)29 2068 8798

Research

Research in the School of Computer Science & Informatics seeks to solve challenging computational problems in the areas such as cybersecurity, visual computing and artificial intelligence.

Much of our research is multidisciplinary and impacts areas as diverse as healthcare, mobile communications and the environment. Our staff are engaged in collaborations with more than 100 UK and international academic partners and we work with industrial partners in the UK and worldwide including the National Health Service (NHS), IBM, British Aerospace, Renishaw and Airbus.

We welcome highly motivated and well qualified graduates to join our thriving research community. Within the School we work closely in small teams of researchers allowing you to exchange ideas, get support and work together on a range of interdisciplinary projects.

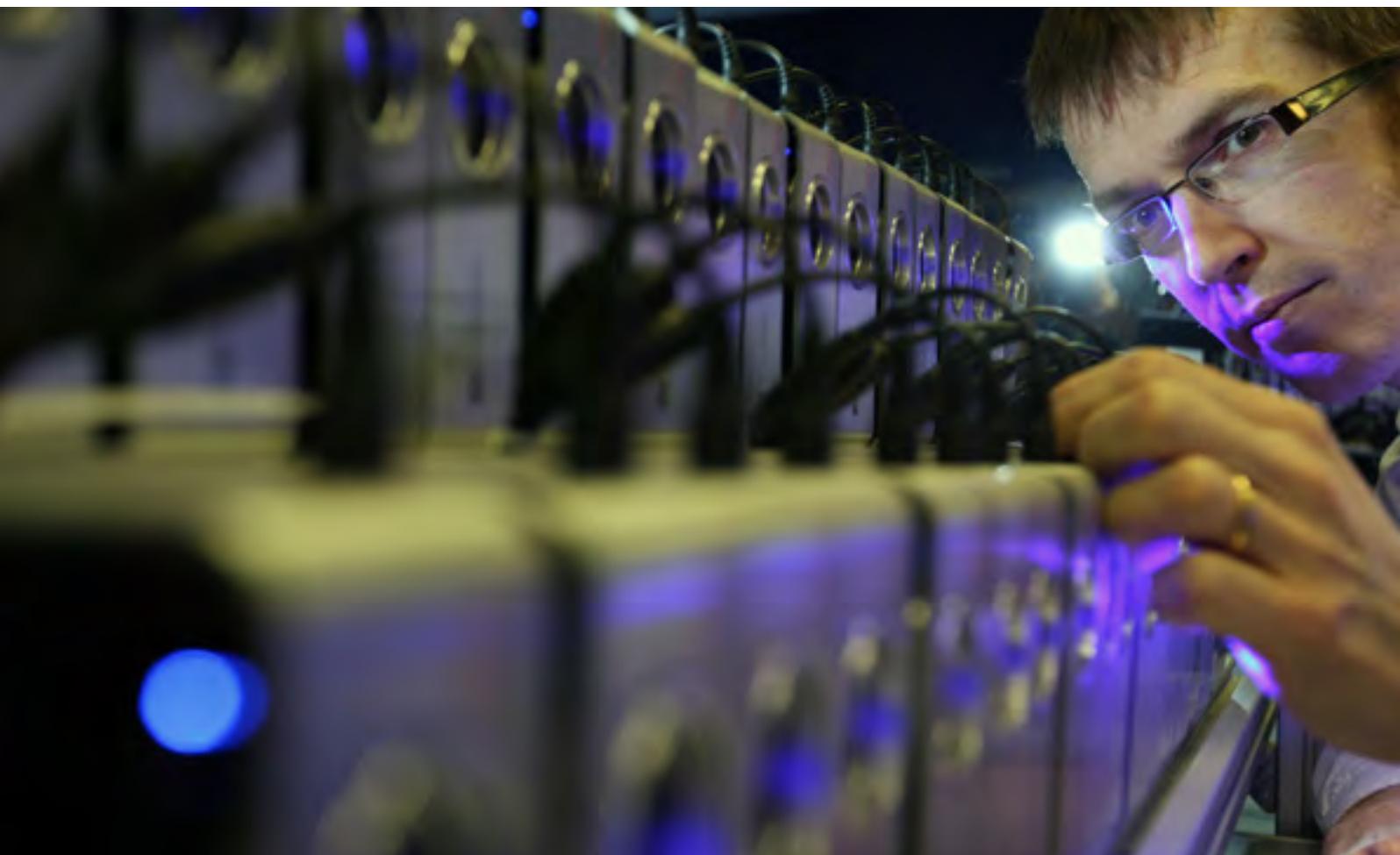
Our staff and research students are loosely organised into informal research themes.

Our current areas of interest include:

Artificial Intelligence

Access to “big data” is now a defining innovation of the 21st century and is a precursor to enhanced Artificial Intelligence through machine learning and reasoning. Our research in this area is exploring the field of knowledge representation and reasoning, with particular focus on the systems for automated reasoning in the context of artificial intelligence.

In the area of text and data mining we apply natural language processing techniques to derive information and knowledge from data in areas such as healthcare, where we apply our research to improve the lives of patients.





Cybersecurity and Privacy

Our research includes formal privacy definitions, algorithmic design and optimisation as well as how we apply our methods to different settings, such as privacy-preserving data publishing and mining. In addition, we explore applications related to business and healthcare, as well as location-sharing applications.

Examples of our research in cybersecurity include the machine classification of malware in various forms (e.g. binary executables and web links), vulnerability testing, mathematical models for the quantification and forecasting of network security risk, security of industrial control systems (e.g. SCADA systems), and Cloud security.

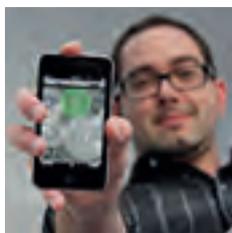
We are home to the Airbus Centre for Excellence in Cybersecurity Analytics, working across industry, academic and government to provide a focus for cybersecurity analytics in the UK.

Visual Computing

Our research in visual computing spans a wide range of topics in the fields of geometric computing, image and video analysis and processing and computer graphics.

A significant theme in our work centres around machine learning approaches to visual computing. Primary aspects of our work include the analysis, use and generation of static data such as images, surface meshes and 3D depth scans, as well as time-varying data such as video and 4D scans of moving objects.

Much of our work is interdisciplinary and applied to problems in a range of disciplines including engineering, psychology and medicine.



Diego Pizzocaro

Diego completed his PhD in collaboration between Cardiff University and IBM. He is now co-founder of a startup company in Italy.

“In my PhD, I studied the problem of how best to assign sensors to help users in emergency response situations. When major emergencies like the Japanese earthquake happen today, there are many kinds of sensors that can help get vital information to users such as rescuers, firefighters, and medical teams. Sensors can be simple phone cameras, specialist devices like radiation detectors, or complex systems like drone aircraft. The problem I studied in my PhD is how to choose the best sensors where different users have different needs, and there may not be enough sensors to satisfy every user. This is a hard problem to solve in real-time. I designed an ‘intelligent’ algorithm that can run on a smartphone and cope with rapidly-changing situations.”

Recent graduates from the group have gone on to positions in industry (e.g. Airbus Group), government positions (e.g. Office for National Statistics) and university faculty positions.



Dr. Gualtiero Colombo

Dr Colombo completed his PhD on ‘A decomposition approach for the Frequency Assignment Problem’ and he now works as a Research Associate for Cardiff University.

“During my PhD I applied novel solutions to solve large instances of the frequency assignment problem. This is a complex problem of great importance to radio-communication that cannot be solved exactly for large-scale problems that occur in practice. The combined application of heuristics methods and partitioning techniques were able to provide very good performance on a time and quality scale.

Subsequently I have been involved as a researcher in two European projects in the area of mobile and social computing. One of my main research contributions concerns the exploration and exploitation of social networks for the delivery and acquisition of content in a mobile pervasive environment, focusing on issues such as cooperation and trust. I am currently involved in a research project investigating new approaches for embedding self-awareness in ICT systems, based on human cognition inspired techniques.”



Data Science

Our research specialises primarily in knowledge representation and reasoning, machine learning and data mining, and mobile and spatial informatics.

This research is embedded in a variety of application domains where we work closely with end-users. We develop novel techniques for capturing, modelling and processing information to support knowledgeable decision-making.

Our expertise covers several core areas including knowledge representation and reasoning, machine learning and data mining, and distributed intelligent systems.

Systems Performance and Usability

Our research spans a wide range of disciplines from quantum computing and related technologies to human factors computing. We work to improve our understanding of the behaviour of quantum processes as well as human behaviour and our interactions with computers.

In the area of quantum technologies and engineering we work on techniques to design, control and optimise the behaviour of quantum processes based on methods to model and simulate quantum systems, characterise their behaviour by parameter and model learning, and visualise and analyse measurement signals.

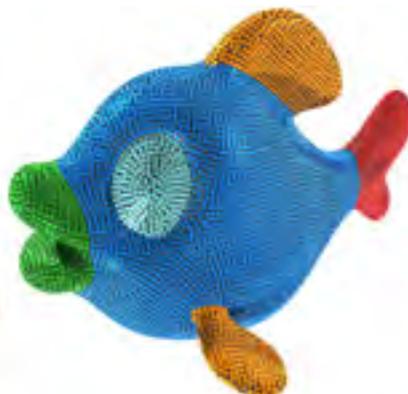
We examine both software and hardware development issues, as well as design interaction for users, to enhance experience, performance and decision making. Our researchers have extensive experience in utilising a variety of sensors in studying human behaviour, from embedded sensors on portable and wearable devices to eye trackers, and from portable EEG devices to motion capture devices. These studies are conducted in the wild, in the lab and in simulated environments.



Jonathan Quinn

Jonathan completed his PhD on 'Low-Discrepancy Sampling of 2D Manifolds for Applications in Visual Computing'.

"During my PhD I investigated the problem of sampling, within the field of Visual Computing. Sampling is a hugely important problem in Computer Science, but more specifically, I considered how to optimally sample 3D models for rendering and mathematical simulations. High quality sampling allows for the simplification of complex models, whilst preserving important features. Simplified models speed up rendering, transmission, and search algorithms, and reduce storage costs. Our solution involved the development of algorithms to reduce the dimensionality of the 3D models, thus reducing the difficulty of the sampling problem."



Student Profiles, Alumni and Employability

We recognise that students pursue a postgraduate qualification not only to broaden their knowledge, but to get ahead in the workplace, which is why improving your employability is at the heart of everything we do.

The teaching on our courses will provide you with the practical skills needed to progress your career, whilst talks and networking opportunities with professional guest speakers from our strong corporate connections will give you a real life insight into the industry.

The University also offers numerous services to assist you in fulfilling your career goals.

Student Enterprise:

- ▶ This free initiative offers skills development, mentoring events, competitions and business support for students and alumni at Cardiff University.
- ▶ It is home to 'Centerprise', the Cardiff University Student Business Incubator, which gives you support to grow your business ideas.
- ▶ The Careers Service has a dedicated International Students Career Advisor who offers 30 minute appointments and holds workshops on employment regulations and CVs.
- ▶ The Careers and Employability Centre is specifically designed to meet student needs and includes an extensive and well-equipped Careers Library with comprehensive information, internet access, computerised guidance programmes and DVD library.

Recent graduates from the School's MSc degrees have taken jobs with such high profile organisations as Logica CMG, Corus and Accelero Digital Solutions, or have progressed to other universities to gain employment or continue research.





Dimas Putra
Graduate of MSc Information Security and Privacy

"The field of cybersecurity has grown rapidly and I have found studying Information Security and Privacy in the School of Computer Science and Informatics has helped me to understand both the technical and behavioural approach needed to overcome these challenges.

The hands on approach from the School and the top quality of lab's facilities has enabled me to work on live projects on various type of cybersecurity breaches.

I have also boosted my skills and leadership abilities by taking advantage of the wide range of the extracurricular activities on offer and this balanced approach to my studies has made Cardiff University a fascinating place to pursue my degree."

A fascinating place to pursue my degree.



Matilda Rhode
Graduate of MSc Computing

"I originally gained employment after graduating with an undergraduate degree from Oxford University but I soon realised I was on a career trajectory that I hadn't actively chosen. I decided to do a conversion course so that I could start afresh with more options open to me.

I chose Cardiff because the course modules seemed more relevant to the skills I would need in the job market than other conversion courses I looked at, also Cardiff seemed to have really good support for postgraduates.

Having degrees in two different subjects was really useful when writing CVs and applications for jobs because you automatically have a unique educational background. This MSc has definitely opened up job opportunities that were just not available to me at all before taking the course. Cardiff is a great city to be a postgraduate, which is why I've carried on living here – I would definitely recommend studying here to other students."

I would definitely recommend studying here to other students.



Ian Cox
Graduate of MSc Advanced Computer Science

"I choose to study in Cardiff because of the open day, the atmosphere at Cardiff was friendly and inviting, the students showing us the university were enthusiastic about Cardiff, the facilities for my course were modern, and the labs were brightly lit providing a good environment for study.

Having done my undergraduate degree in Cardiff but chose to stay on for a further postgraduate degree because I wanted to gain a more in-depth knowledge of the subject, I debated studying at a different university but ultimately chose to remain in Cardiff due to the high-quality lectures on offer, and the excellent support structure in place. Cardiff offers many career fairs to assist in getting a career, provide personal tutors to help with any course related issues and the high-quality teaching on offer by the professors."

The atmosphere at Cardiff was friendly and inviting.

PhD and the Doctoral Academy



PhD

PhD study at Cardiff follows three year programmes which aim to provide you with the ability to produce original, novel and significant research findings in your chosen area. We welcome applications with proposals related to any of our research areas.

Although individual PhD projects can follow diverse paths, they generally have a common overall structure. Usually your first year involves an in-depth review of literature and preliminary investigations to develop and refine your research plan. By your second year you should have formulated a clear problem or hypothesis to study, and can plan an appropriate approach to demonstrate your theory. Typically your final year is spent producing experimental results to validate your proposed approach and writing your thesis, which you will defend in a viva.

Each student in the School is guided by supervisors with relevant interests and expertise that is internationally recognised in their field. Annual poster and presentation events for our PhD students allow you to develop your presentation skills and gain valuable feedback on your

work, and we encourage and support your participation in national and international conferences over the course of your study.

Throughout your PhD you are given the opportunity to develop your technical, communication and project management skills via a range of available taught courses. The School has an excellent environment for postgraduate students, with well-equipped modern laboratories and a vibrant community of students, both academically and socially.

At the end of your PhD programme, you will have demonstrated your ability as an independent researcher, and will be ideally prepared to pursue a career in academia or industry.



The Doctoral Academy

- ▶ University-wide approach to ensure a coordinated approach to doctoral study.
- ▶ A central source for doctoral students to access a comprehensive range of workshops and support to progress their project and develop their careers.
- ▶ Regular cross-School activities enable a network of researchers and a stimulating research environment.
- ▶ Annual student-led conferences and other research showcase events.
- ▶ Guest speakers such as Jorge Cham, creator of 'PhD Comics.'

322 workshops covering
145 topics per year
£9,000 per annum
awarded to researcher-led
activities

(above figures based on 2017/18 session)

International Students

Cardiff University has a long tradition of welcoming international students. Over 4,000 students from 100 countries enjoy the many benefits of a diverse student population.

Supporting International Students

Once you have been made an offer, you will receive advice on matters such as immigration, visas, healthcare, climate and living and studying in Cardiff.

Before you arrive at the University you may be worried about settling in, making friends and life in the UK. The International Office aims to make your transition as smooth as possible with an induction programme in September and January.

The September induction programme includes:

1. A free collection service from Cardiff and Heathrow airports. International Office staff will provide a warm welcome at the airport and take you and your luggage to your accommodation.
2. Practical information and fairs to help you settle quickly into living and studying in Cardiff.
3. Tours of the University and the city of Cardiff to help you find your way around.
4. Social events and parties including traditional Welsh dancing. These are a great way to make friends.
5. A bank letter service to help you open a bank account when you arrive in the UK.
6. A coach tour of South Wales. Visit some of Wales' historic monuments with the International Office.

International Office

Throughout your studies, support and advice is available from a number of sources both within your School and the University as a whole. These include your academic tutors and supervisor, the Student Advisory Service and the Careers Service.

English Language Support

Our English Language Programmes Section provides English language courses to full-time international students studying, or intending to study, at Cardiff University. Language and study skills courses are offered throughout the year for periods from a few weeks to a full year to improve your level of general and academic English.

Our Pre-sessional Programme in English for Academic Purposes is particularly popular. These are full-time, intensive summer courses of between 8 or 11 weeks in length and are designed specifically to prepare students starting degrees at Cardiff University for academic study. Places on the courses are limited so students holding conditional offers are encouraged to apply as soon as possible.

Once you are enrolled as a full fee-paying international student, you can select from a range of free and optional English language support classes. The courses run part-time so you can fit language development around your studies. We are an IELTS Test Centre.



Further Information:

International Office

Email: international@cardiff.ac.uk

Tel: +44 (0)29 2087 4432

Fax: +44 (0)29 2087 4622

www.cardiff.ac.uk/study/international

English Language Programmes Section

Email: elt@cardiff.ac.uk

Tel: +44 (0)29 2087 6587

Fax: +44 (0)29 2087 6141

www.cardiff.ac.uk/elt







Funding your postgraduate study



Securing funding is an important consideration for many postgraduates. Most funding sources are highly competitive, so it is essential to start researching your funding options as early as possible.

In most cases, you will need to have been offered a place to study in order to obtain financial support; therefore it's important that you apply for your chosen programme of study well in advance of the deadlines for any funding applications you intend to make.

You should research your funding options early to ensure that you can meet application deadlines. Even if you can't find full funding for your programme, you may be able to find funding from a number of different sources.

In fact, many of our students have funded their programmes through a combination of the sources listed below.

- ▶ Through our Master's Excellence Scholarship scheme, we are committed to investing up to a total of £500,000 in this competitive scheme, to support high calibre home students.
- ▶ We run a highly prestigious international scholarship scheme to support exceptional international students
- ▶ International students are also advised to investigate funding opportunities offered within their own country, the British Council and other external funding providers
- ▶ Our Unistaff Jobshop can help you secure part-time, casual and regular employment
- ▶ UK government postgraduate loans for master's programmes are available for those home students who fulfil the eligibility criteria
- ▶ Charities, trusts and foundations offer a wealth of funding for postgraduate study.
- ▶ Many course websites offer scholarship competitions to prospective students
- ▶ Crowdfunding and peer-to-peer loans are new, innovative means by which other postgraduate students have funded their studies.

Further Information:

Cardiff University websites:

(UK/EU students):

www.cardiff.ac.uk/postgradfunding

(International Students):

www.cardiff.ac.uk/study/international

External websites:

Graduate Prospects:

www.prospects.ac.uk

British Council:

www.britishcouncil.org/learning

Professional and Career

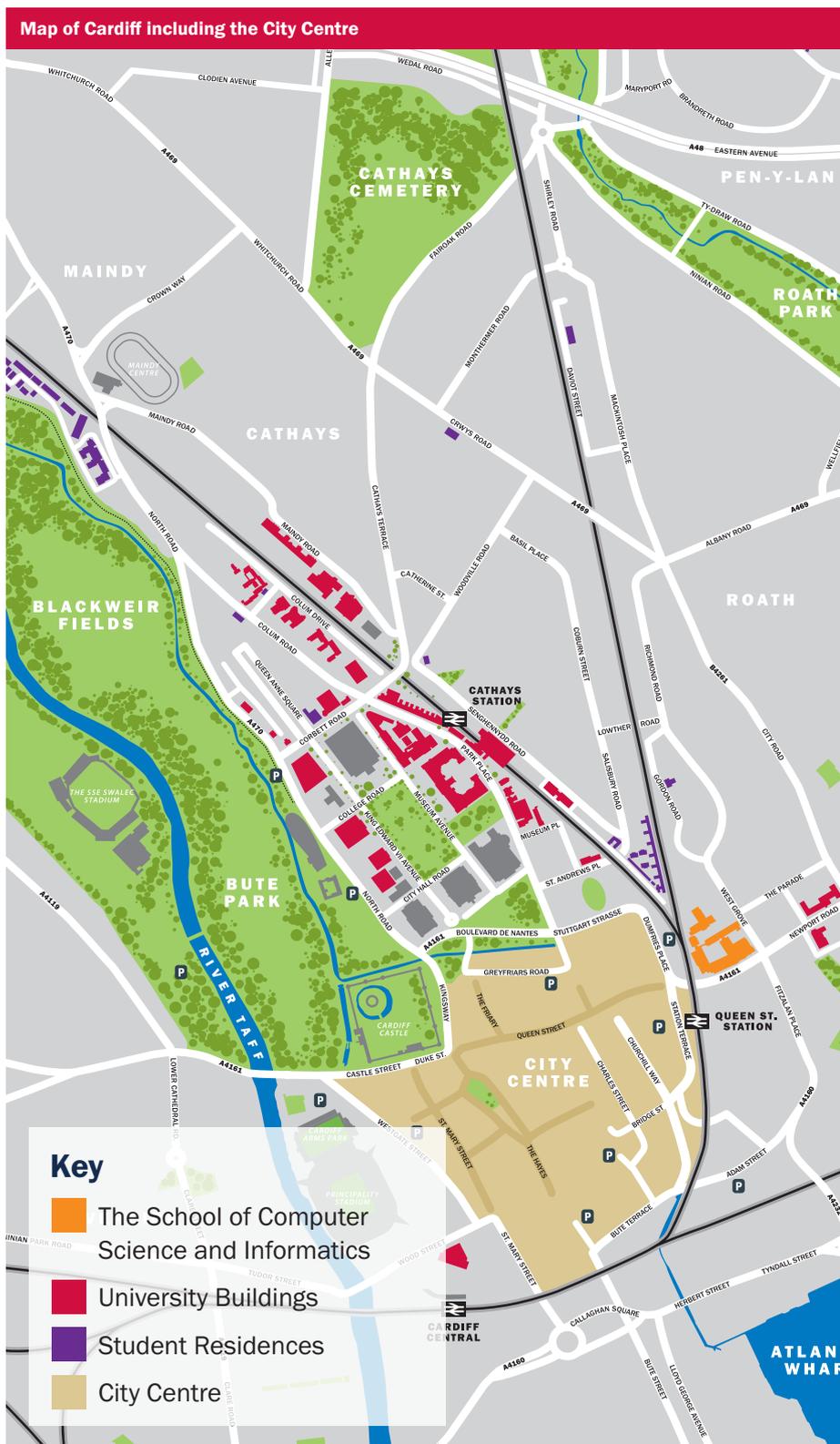
Development Loans:

www.direct.gov.uk/cdl

Students' Union Jobshop:

www.cardiffstudents.com

How to find us



How to find us

The School of Computer Science and Informatics shares the £35 million Queen's Building complex with the School of Physics and Astronomy and the School of Engineering. The Queen's Building is located just off Newport Road at the centre of Cardiff; a short walk from Queen Street railway station and the city's main shopping and entertainment area.

Terms and Conditions

Every effort has been made to ensure that the information contained within this brochure is correct at the time of going to press in November 2018. However, the University does not accept any liability for any errors that it may contain, or for any subsequent changes to the University or Government policy that may affect the information given. Cardiff University expressly excludes any representations or warranties (whether expressed or implied) and all liability including direct, indirect, special, incidental or consequential damages arising out of the use of the information on these pages, to the fullest extent possible under law.

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Tel: +44 (0)29 2087 008

Email: postgradmarketing@cardiff.ac.uk

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School of Computer Science and Informatics

For further information contact:
Cardiff University, Queen's Buildings,
5 The Parade, Roath, Cardiff, CF24 3AA, UK

Tel: +44 (0)29 2087 4812
Fax: +44 (0)29 2023 4598
Email: comsc-pg@cs.cardiff.ac.uk

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[@CompScienceCU](#)

www.cardiff.ac.uk/computer-science



THE QUEEN'S
ANNIVERSARY PRIZES
FOR HIGHER AND FURTHER EDUCATION
2017