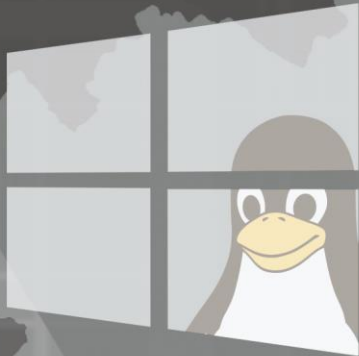
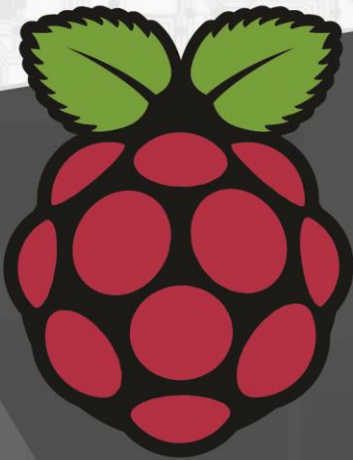




www.herts.bcs.org
Enabling the information society

Events Programme

2017 - 2018



University of Hertfordshire **UH**
sopra  steria

The BCS promotes wider social and economic progress through the advancement of information technology science and practice



www.herts.bcs.org



BcsHertfordshireBranch



BCSHerts



BCSHerts

October

Paul Moggridge & Dr. Na Helian, University of Hertfordshire

Thu 12, 7.30pm
University of Hertfordshire

Ada Lovelace Commemorative Lecture: Cloud Computing - Demonstration and Directions

Using the Cloud is easy. You may already be using the Cloud without realising it! In this presentation, we will demonstrate a variety of ways you can utilise the Cloud. Cloud services are grouped into three layers, Software, Platform and Infrastructure as a Service - SaaS, PaaS and IaaS. This talk will look at the aims and examples of each specific type, with insights of value for users both new and experienced on the topic including a discussion on the directions that Cloud Computing is moving in. Please note, this presentation will be interactive. Please bring a device capable of browsing the web, a smartphone is ideal.

November

Dr. Joseph Spring, Senior Lecturer, University of Hertfordshire

Thu 9, 7.30pm
University of Hertfordshire

Quantum Communication and Networks

Recent developments in technology are creating opportunities for the practical application of quantum concepts to networks and distributed systems, which could later contribute to the development of a quantum based internet. Quantum repeaters are currently reported as working over distances in excess of 100km, with quantum dark fibre networks achieving distances of 2000km. Quantum based satellite communication are currently proposed with a view to achieving a global network by 2030. A UK National Quantum Technologies programme has been unveiled with the object of making the UK a world leader in quantum technology development. In this discussion we consider the progress being made in this field, together with a selection of issues relating to quantum communications.

December

Nick Parlow, Fujitsu Distinguished Engineer, Fujitsu

Thu 7, 7.30pm
Fujitsu, Cavendish Rd, Stevenage, SG1 2DY

Infrastructure as code - "we are all coders now"

At its simplest, Infrastructure as Code (IaC) is the separation of configuration from platform, using machine readable files to define your computing environment. Using software development practices this approach produces a repeatable, testable and easily maintained environment that can scale into the thousands of servers. There are, however, major challenges, including what to do with all those SCO boxes. Along the way we may take diversions into DevOps, Containers, serverless computing, dirty servers and what your operations department can learn from livestock farming. With luck, there will be a live demo.

January

Dr. Jeremy Bennett, CEO, Embecosm

Tue 16, 7.30pm
Sopra Steria

Running a free and open source business for fun and profit

In this talk, Jeremy Bennett will share his experiences of running a fully open source (OS) consultancy implementing OS compilers and chip simulators for major corporations around the world. The issues covered will include:

- business models that allow a decent profit
- staff recruitment, training and retention
- legal challenges, including licensing
- the dangers of 'open washing'
- how to manage without Microsoft Office!

February

James Dales, Altius UK

Thu 8, 7.30pm
University of Hertfordshire

Using Analytics to Extract Value from Big Data

Advances in data capture and storage networking technologies have enabled organisations to capture huge amounts of data about their customers, products and processes. However, unless they can intelligently analyse this data to produce useful information that will help improve business decision making and performance then the data is of little value. The keys to unlocking the value in data are data science and analytics and for many organisations this is the new, must have, technology that delivers real benefits. In this lecture analytical software, together with the tools and methods used to develop it will be explored, using real world examples and demonstrations from major UK organisations.

BCS Hertfordshire Event

Sat 10, All Day
University of Hertfordshire



Hertfordshire Hackathon

Join BCS Herts in association with the University of Hertfordshire for the Hertfordshire Hackathon. Come along for the day or just pop in to learn, socialise and have fun. This exciting opportunity will let you get involved in a high focus, hands-on real-world challenge. Whatever your skill level and background; design, programme and collaborate on the Hackathon Challenge and you and your team could win a prize.

We will have a variety of Prizes & Challenges to suit different interests, experience levels and abilities, with winning solutions being rewarded across a range of categories (not just programming). If you are interested in exercising your problem-solving skills, programming ability, want to come along and share your programming and design skills with the teams, or if you just want to watch. Come and share your Saturday with our friendly group.

For more information on entering a team, please visit www.herts.bcs.org

How the UK Video Games Industry Can Advance Beyond Brexit

The UK video games industry is one of our most successful creative industries. We need to ensure that the sector continues to thrive as we leave the European Union. Dr Richard Wilson, CEO of TIGA, the trade association representing the UK video games industry, outlines the challenges facing the sector including practical policies which should be implemented to help the industry thrive and steps that we can take to make the UK a global leader in video games development, training and education.

Dr. Richard Wilson, Chief Executive Officer, TIGA

Thu 19, 7.30pm
University of Hertfordshire

Visit to St Albans South Signal Box

Visit the largest preserved Midland Railway signal box in the UK. Signalling demonstrations are run on the operating floor and railway videos and a slideshow of the restoration are shown downstairs, with many signalling items on display. In the garden, there are working signals, old signs, oil lamps and other exhibits. The site is fully accessible except for the upper floor of the signal box. A video of the upstairs workings can be shown downstairs. Park at the station or in Ridgmont Road. Free to members and £10 for non-members.

BCS Hertfordshire Visit

Tue 15, 6.30pm
St. Albans Signal Box, St.
Albans, AL1 3AJ

Visit to Waterways Experiences

A boat trip on the Grand Union Canal with Fish and Chip Supper. The boat is operated by a registered charity without any paid employees. It aims to provide accessible canal boating for all. More information at <http://wexp.org.uk>. Travel from Nash Mills south on the canal to Hunton Bridge and back. Leave at 5:15pm to return at around 9:15pm. Free to members and £20 for non-members.

BCS Hertfordshire Visit

Tue 12, 5.00pm
Waterways Experiences,
Kings Langley, Nash Mills
HP3 9TE

AGM followed by: Cyber-Bullying and online safety for children

There is an increased public awareness and media coverage of Cyber-Bullying/Stalking. It is seen as a growing problem and has led to concerns in particular for the on-line safety for children and vulnerable adults. Currently there is little academic research into the prevalence, motivations, impacts and risk assessment which will lead to effective preventions of and responses to Cyberstalking. This has led to the creation of The National Centre for Cyberstalking Research at the University of Bedfordshire. It aims to provide high quality research to help, understand and tackle the problem. The Centre is interdisciplinary in nature and draws upon the expertise of a number of people working in different fields including technology, psychology, sociology and law. Dr Feng will discuss the domain issues and how the work of the Centre is addressing them.

Annual General Meeting followed by

Dr Xiaohua (Anna) Feng,
Senior Lecturer in Computer
Science and Technology,
University of Bedfordshire

Thu 20, 7.00pm
The Hemel Hempstead
School, Heath Lane, Hemel
Hempstead, Hertfordshire
HP1 1TX

March

April

May

June

September



BCS Hertfordshire Committee



The committee of the BCS Hertfordshire branch is made up from a diverse range of volunteers with experience in the IT and Communications sectors. The committee represents the interests of BCS members located in Hertfordshire as well as parts of Buckinghamshire and Bedfordshire.

If you have any feedback, comments or would like to get involved with the committee, please contact us using the information below or make yourself known to any of the BCS committee members at one of our events.

Peter Klein
MBCS CITP

Chairman

Home: 01923 261471
email: herts_chair@bcs.org.uk

David Hubbard
MBCS CITP

Secretary

Home: 01707 331906
email: herts_sec@bcs.org.uk

Malcolm Appleford
MBCS CITP

Treasurer

email: herts_treas@bcs.org.uk

David Hubbard
MBCS CITP

Membership Sec.

email: herts_memsec@bcs.org.uk

Jeremy Withrington
MBCS

Webmaster

Home: 01727 867395
email: herts_web@bcs.org.uk

Mike Pickup
MBCS

YPG Representative

email: m.pickup@bcs.org.uk



Join us on-line at
www.herts.bcs.org

Stephan Barnard
FBCS

stephan.barnard@bcs.org.uk

Sammy Tosan Emojevbe
AMBCS

Henry Harrison
MBCS

henry.harrison@bcs.org.uk

Paul Moggridge
MBCS

paul.moggridge@bcs.org.uk

Algirdas Pakštas
FBCS CITP

algirdas.pakstas@bcs.org.uk

Richard Sarsby
FBCS CITP

richard.sarsby@bcs.org.uk

Bob Thurlby
FBCS CITP

bob.thurlby@bcs.org.uk

Chris Tilley
MBCS

chris.tilley@bcs.org.uk

Feedback: If you have any feedback, questions, suggestions, ideas or comments; or you would like to get involved with BCS Herts, please contact any committee member or visit:

www.herts.bcs.org

With thanks to
sopra steria



How to Book

To register your place at any of our events please visit www.herts.bcs.org/events. All events are free to both members and non-members unless otherwise stated.

If you require any further information, would like to discuss facilities or special requirements or require transport assistance while visiting a BCS Hertfordshire event please contact herts_sec@bcs.org.uk with your query.

Venues

How to get there: www.herts.bcs.org/findus/

Sopra Steria

Address: Sopra Steria, Three Cherry Trees Lane, Hemel Hempstead, HP2 7AH
By Road: Near M1 Junction 8, M25 Junction 21 | **By Rail:** Hemel Hempstead via Euston

University of Hertfordshire

Address: Lindop Building, University of Hertfordshire, College Lane, Hatfield, AL10 9AB
By Road: Near A1(M) Junction 4 | **By Rail:** Hatfield via Kings Cross



Note: All meetings qualify as Continuing Professional Development. Any product, venue, activity or opinion expressed at a BCS Hertfordshire event does not imply any support, endorsement, or promotion of such products or views by the BCS.