

COMPUTING, THE NEXT GENERATION

COMPUTING AT SCHOOL
EDUCATE · ENGAGE · ENCOURAGE

LET'S PUT THE EXCITEMENT BACK! — VISIT OUR WEBSITE WWW.COMPUTINGATSCHOOL.ORG.UK

THE VENUE

University of Birmingham

WHAT DATES

Thursday 18th June 7pm – 10pm Informal Reception

Friday 19th June 9:00 – 5:00pm Conference

WHO'S SPEAKING

Jonathan Aylward – Royds High School, Leeds

Tim Bell – Computer Science Unplugged (<http://csunplugged.org>)

Roger Boyle – Leeds University

Paul Curzon – Computer Science is Magic (<http://cs4fn.org>)

Quintin Cutts – CSInside (<http://csi.dcs.gla.ac.uk/>)

Roger Davies – Queen Elizabeth School, Kirby Lonsdale

Michael Kölling – Greenfoot (<http://www.greenfoot.org>)

John Woollard – School of Education, Southampton University

Emma Wright – Harvey Grammar School, Folkestone

WHAT TO EXPECT

“Computing – Probably the most exciting technology in the world!”

- Looking for inspiration to breathe more life into your lessons?
- Are you frustrated by current opportunities for teaching Computing within ICT?
- Do you struggle to find dynamic resources to engage your pupils?
- Do you wish to enhance your own skills... to keep pace with your students who seem to 'know it all already'?

Then join us, for a unique opportunity to hear from practising teachers and educators about developing computing in our schools. Experience first hand the magic of computing from the people behind the wonderful cs4fn website. Have fun with Tim Bell from New Zealand, and explore how to teach computing without a computer! Learn to use Greenfoot from the master, Michael Kölling and engage pupils' interest by exploring the Computer Science *inside* their phone, mp3 player, or game console, with Quintin Cutts.

OUR BACKGROUND

The Computing at School Working Group is an informal group that aims to promote the teaching of computing in our schools. Our membership is broad and includes teachers, examiners, parents, university faculty and employers.

The decline of students wishing to study A Level Computing and the decline in university admissions for the subject combined with a projected growth in the IT Labour market make it clear that something has to be done.

We seek to work at many levels, including:

1. Directly supporting specialist ICT/Computing teachers who are excited by computing, by providing them with teaching material, training, local hubs, and the opportunity to meet with like-minded colleagues.
2. Launch a Computer Science Teachers Association for the UK.
3. Working at an institutional level, for example by encouraging the development of a GCSE in Computing.

MEET THE SPEAKERS

Tim Bell

Associate Professor of Computer Science (University of Canterbury, New Zealand), Tim's "Computer Science Unplugged" project is widely used internationally, and its books and videos have been translated into several languages.

Roger Boyle

Roger is Head of Computing at the University of Leeds - his interests, in equal measure, are computer vision and the survival (and growth) of computer science in higher education.

Paul Curzon

Reader in Computer Science at Queen Mary, University of London, Paul launched the webzine and magazine, www.cs4fn.org to spread his passion about the subject to school students and so enthuse the next generation of computer scientists.

Quintin Cutts

Quintin runs CSInside, a programme for taking Computing Science concepts out to school pupils - the inside refers to showing the pupils the Computing Science inside everyday technology. He is a senior lecturer in the Department of Computing Science at the University of Glasgow, Scotland.

Michael Kölling

Michael is one of the developers of BlueJ, an educational programming environment, and more recently, Greenfoot an innovative tool for learning how to program. Michael is a Professor at the Computing Laboratory, University of Kent, in Canterbury, UK.

John Woollard

John Woollard, Lecturer in Information Technology Education, School of Education, University of Southampton, trains ICT teachers and researches into school-based ICT including programming, game authoring, e-safety and metaphor and is currently devising key stage 3 materials.



COMPUTING AT SCHOOLS EVENT REGISTRATION FORM

Title:

Full Name:

Position:

Organisation/School Name:

Address:

Postcode:

Email:

Give a short description of one thing you have done in school delivery of computing that has really helped, or of which you are particularly proud.

Give an example of a problem or obstacle whose solution or removal would really assist your delivery of computing in school.

- I wish to book overnight accommodation for Thursday June 18th 2009
- I enclose a covering letter applying for a bursary to cover expenses to attend

CREDIT/DEBIT CARD PAYMENT DETAILS

- £38* for hotel accommodation only
- Visa Mastercard Maestro Access

Card No.

Security No.

Issue no. (Maestro only) Expiry date

Signature:

Date:

*Discount rate available until May 31st 2009
Fax to our secure fax server on 0121 414 5370.
You will receive acknowledgement by email.

OUR PROGRAMME

TIME	EVENT	ATTEND
9:00	REGISTRATION	
9:30	WELCOME ADDRESS	
9:40	COMPUTING IN SCHOOL – A GRAND CHALLENGE Roger Boyle – <i>University of Leeds</i>	
10:00	COMPUTING – UNPLUGGED Tim Bell – <i>University of Canterbury</i>	
11:00	REFRESHMENTS/EXHIBITION	
11:30	WORKSHOPS 1: Please indicate preference	
	csUnplugged Tim Bell – <i>University of Canterbury</i>	<input type="checkbox"/>
	CS IS Magic Paul Curzon – <i>Queen Mary London</i>	<input type="checkbox"/>
	Greenfoot Michael Kölling – <i>University of Kent</i>	<input type="checkbox"/>
	CSInside Quintin Cutts – <i>University of Glasgow</i>	<input type="checkbox"/>
12:30	LUNCH/EXHIBITION	
13:30	COMPUTING AT SCHOOL – “TOWARDS A TEACHER’S ASSOCIATION FOR COMPUTER SCIENCE” Simon Peyton Jones – <i>Microsoft Research, Cambridge</i> Simon Humphreys – <i>Hills Road SFC, Cambridge</i>	
13:45	WORKSHOPS 2: Please indicate preference	
	Python Programming Jonathan Aylward – <i>Royds High School, Leeds</i>	<input type="checkbox"/>
	Other Tools and Resources Roger Davies – <i>Queen Elizabeth School, Kirby Lonsdale</i>	<input type="checkbox"/>
	Programming at Key Stage 3 John Woollard – <i>Southampton University</i> Emma Wright – <i>Harvey Grammar School</i>	<input type="checkbox"/>
	GCSE in Computing Panel with representatives from AQA and OCR	<input type="checkbox"/>
14:45	REFRESHMENTS	
15:15	DISCUSSION GROUPS/SPECIAL INTEREST GROUPS (TBA)	
16:30	CLOSING PLENARY	

Note: Please note the choice is not binding but will help us plan for expected numbers!

HOW MUCH DOES IT COST?

The conference is free to attend. CPHC and Microsoft Research have generously provided bursaries for those who need assistance with travel or accommodation expenses. To apply for a bursary enclose a covering letter with your registration form. We hope you will join us for an informal reception on Thursday June 18th.

HOW TO REGISTER

Complete the registration form and fax to our secure fax server on 0121 414 5370. Early booking is advisable to both guarantee a place and to help us calculate numbers. It is important that we have both your telephone number and email address.

Please note: Each delegate must complete an individual registration form. Places will be allocated in order of application.

APPLY FOR BURSARIES

No charge is made for the conference and we encourage schools to fund attendance. However, bursaries are available through the generous support of Microsoft Research, UK and CPHC. If you wish to apply for a bursary please include a covering letter when submitting your registration form.

DO YOU NEED ACCOMMODATION

Hotel accommodation has been reserved at a special discount rate for delegates at Birmingham ETAP-Hotel. Please indicate on the form if you wish to reserve a room.

KEEP ME POSTED

Please tick the box if you wish to be kept informed of future CAS events.

VISIT THE WEBSITE

www.computingatschool.org.uk

NEED TO KNOW MORE

Please email conf2009@computingatschool.org.uk or telephone: 0121 414 4776

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