A celebration of Web Science.
Past, present & future

The Royal Society
Thursday 12 June 2014

The World Wide Web is the largest human information system in history, integrated into the everyday lives of billions of people across the planet, shaping how we do business, conduct our social lives and organise politically.

The University of Southampton has played a significant role in the creation and development of the Web over the last 25 years, including the foundation of the innovative discipline of Web Science 10 years ago.

Today's event will mark the formal launch of the University's world-leading Web Science Institute. The Institute will act as a focal point, co-ordinating and putting into practice new forms of education, research and economic, social, political, technological and cultural resources based on a deep understanding of the Web's technologies and social construction.

Join us in a celebration of Web Science – past, present and future – with Institute Directors Professor Dame Wendy Hall, Professor Sir Nigel Shadbolt and Professor Susan Halford, together with Professor Sir Tim Berners-Lee and other leading figures from Web and Internet Science.

Programme

1030–1230	**Web Science Exhibition**
1400–1430	**Web Science Institute Launch**
	Opening by Professor Don Nutbeam, Vice-Chancellor, University of Southampton
	The WSI Vision – Institute Directors
1430–1500	Keynote Talks:
	JP Rangaswami
	Professor Richard Susskind
1500–1530	**Refreshment Break**
1530–1700	Panel: How can Web Science help shape the Web We Want?
	Professor Sir Tim Berners-Lee
	Liam Maxwell
	Professor Dame Wendy Hall
	Professor Sir Nigel Shadbolt
	Professor Susan Halford
1700–1830	**Drinks Reception**

Guest Speakers

Professor Sir Tim Berners-Lee

Sir Tim Berners-Lee invented the World Wide Web in 1989.

Director of the World Wide Web Consortium (W3C), Sir Tim is also Director of the World Wide Web Foundation and was a Director of the Web Science Trust. He has promoted open government data globally, is a member of the UK's Transparency Board, and president of London's Open Data Institute.

Sir Tim is the 3Com Founders Professor of Engineering at the Computer Science and Artificial Intelligence Laboratory at the Massachusetts Institute of Technology and is also a Professor within Electronics and Computer Science at the University of Southampton.

Professor Richard Susskind

Professor Richard Susskind OBE is President of the Society for Computers and Law, IT Adviser to the Lord Chief Justice, and Chair of the Advisory Board of the Oxford Internet Institute. The author of numerous books (including The End of Lawyers?), his work has been translated into 12 languages. He is a Fellow of the Royal Society of Edinburgh.

Liam Maxwell

Liam Maxwell is the Chief Technology Officer for HM Government. He supports the network of departmental Technology and Digital Leaders, Chief Operating Officers and Service Managers to help departments deliver better IT and digital services. His team within the Government Digital Service (GDS) is responsible for providing technology leadership and reform across government, through work such as the adoption of royalty-free open standards.

Liam is a Visiting Professor at the University of Southampton, within Electronics and Computer Science.

JP Rangaswami

JP Rangaswami is Chief Scientist at salesforce.com, having joined them in October 2010. As Chief Scientist at salesforce.com, Rangaswami focuses on helping salesforce.com's global customers think about innovative ways to use the real-time, mobile and social capabilities provided by Salesforce apps and the Force.com platform.

Rangaswami is a Director of the Web Science Trust.

Web Science Institute

We don't understand how the Web is changing our society, economy, politics, languages, computers… yet.

The Web Science Institute (WSI) brings together world-leading multidisciplinary expertise to tackle the most pressing global challenges facing the World Wide Web and wider society today.

Web Science has an ambitious agenda: to focus the analytical power of researchers from disciplines as diverse as sociology and computer science, economics and psychology, law and mathematics to understand and explain the Web. It is necessarily interdisciplinary, as much about social and organisational behaviour, as about the underpinning technology.

"As we celebrate the 25th Anniversary of the Web and think about the role Web Science can play in helping to shape the future Web We Want, it is a perfect time to be launching the Web Science Institute. We are looking forward to showcasing current Web Science work and discussing what it means to look at the world through a Web Science lens."

Professor Dame Wendy Hall

"The Web empowers individuals and communities. It is based on open standards and open participation. And now open data on the Web will drive even greater innovation. The Web Science Institute will help us understand these exciting opportunities."

Professor Sir Nigel Shadbolt

Directors of the Web Science Institute

Professor Dame Wendy Hall

Professor Sir Nigel Shadbolt

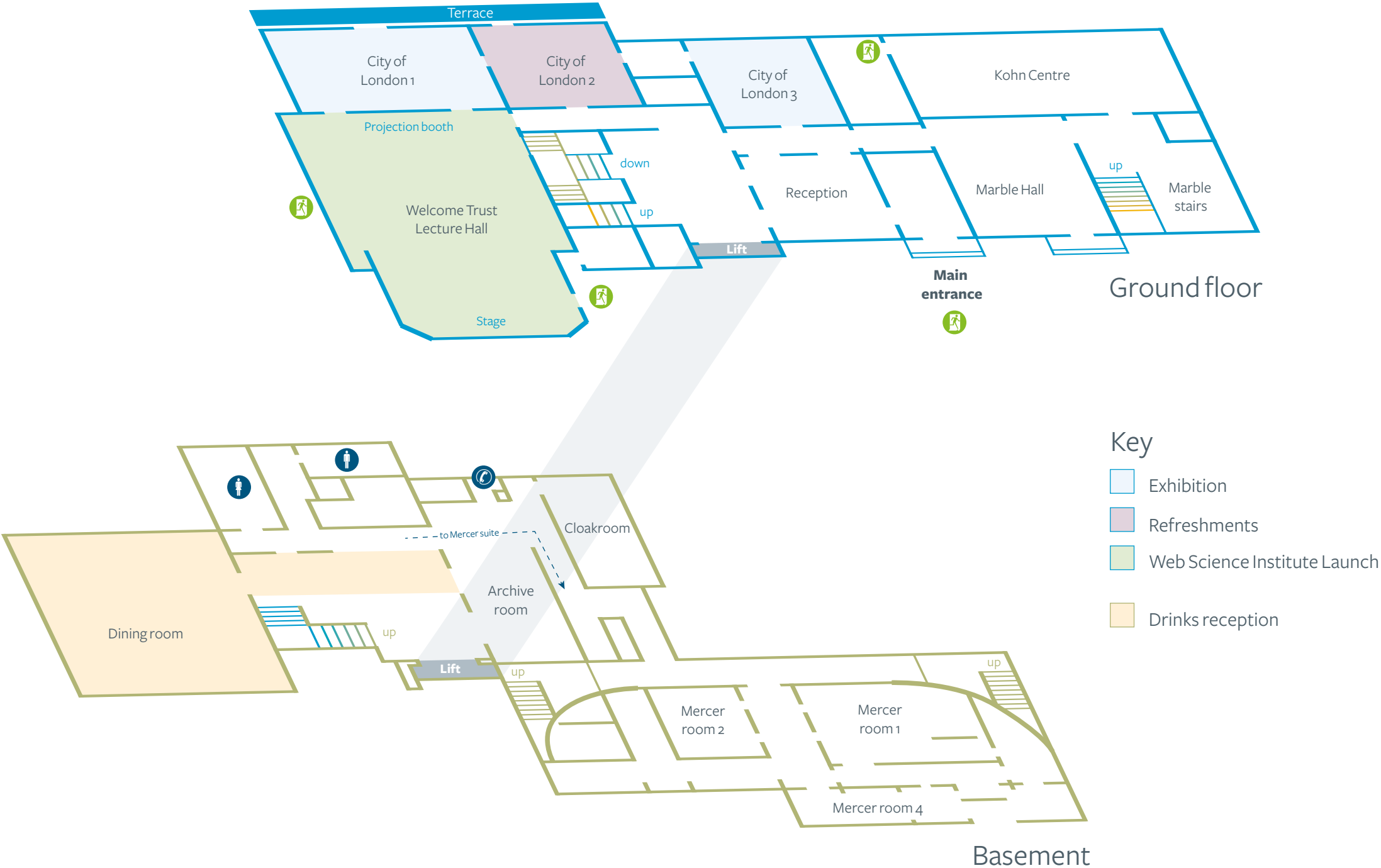Professor Susan Halford

Professor Les Carr

Dr Lisa Harris

Dr Graeme Earl

Floor plan

Terrace

City of London 1

City of London 2

City of London 3

Kohn Centre

Projection booth

down

Reception

Marble Hall

up

Marble stairs

Welcome Trust Lecture Hall

up

Lift

Main entrance

Stage

Ground floor

to Mercer suite

Cloakroom

Archive room

Dining room

up

Lift

up

Mercer room 2

Mercer room 1

up

Mercer room 4

Basement

Key

Exhibition

Refreshments

Web Science Institute Launch

Drinks reception

Web Science at the University of Southampton

The University of Southampton has played a significant role in the development of the Web over the last 25 years, including the foundation of the innovative discipline of Web Science 10 years ago. As the Web continues to evolve, so too do the opportunities for University of Southampton students to help shape its future.

Centre for Doctoral Training

The Web Science Centre for Doctoral Training at the University of Southampton was established as part of a £250 million investment in the future of UK science and technology by the RCUK Digital Economy Programme. The Centre will train a cohort of 80 PhD students in a thorough understanding of how to innovate and create new forms of value through the Web, and prepares them to become agents of change in the digital economy. Through relationships with its industrial network it provides students with the expertise and leadership capacity to apply Web Science principles and produce a significant impact on the UK economy.

dtc.webscience.ecs.soton.ac.uk

Undergraduate Study

Pioneering the development of Web Science, the University of Southampton aims to provide a thorough understanding of the Web as a social and technical phenomenon. This demands new ways of working, across traditional academic disciplines, to build skills and expertise in the technical underpinnings of the Web as well as the social processes that have shaped its evolution and the impact of the Web on society.

Whether electing a social science or computer science pathway, Web Science undergraduates can expect to be taught by researchers at the forefront of their disciplines and be equipped to become leaders in the emerging digital economy. New pathways will be developed and added over time.

www.southampton.ac.uk/webscience

Massive Open Online Courses

In 2013, the University launched its series of MOOCs with 'Web Science – how the Web is changing the world'. This examined the origins and evolution of the Web, and considered key questions of security, democracy, networks and economy from both computational and social science perspectives. It re-ran in spring 2014 and will be repeated in the autumn in partnership with FutureLearn.

www.southampton.ac.uk/moocs

Interdisciplinary Research at the University of Southampton

The University of Southampton has established a number of interdisciplinary research groups and institutes to develop cross-faculty, interdisciplinary initiatives – such as Web Science. These address key national and international priority research themes towards understanding and alleviating some of society's global challenges. Each theme draws together researchers from across the University, combining our research in engineering, social sciences, biological and physical sciences, medicine and health technologies as well as law, management and art.

To find out more or to become a member or partner of a particular group please contact: interdisciplinary@soton.ac.uk

Interdisciplinary Research Groups at the University of Southampton:

– Ageing and Lifelong Health
– Complexity in Real-World Contexts
– Computationally Intensive Imaging
– Digital Economy
– Energy
– Health Technologies
– Nanoscience
– Neurosciences

– Population Health
– Sustainability Science at Southampton
– Work Futures Research Centre
– Institute for Life Sciences
– Southampton Marine and Maritime Institute
– Web Science Institute
– Zepler Institute

www.southampton.ac.uk/interdisciplinary

Web Science Institute Associated Projects

Web Science Trust

The Web Science Trust is a charitable body with the aim of supporting the global development of Web Science through a network of world-class laboratories known as WSTNet, hosted by the University of Southampton.

webscience.org

Web Observatory

The Web Science Trust has proposed a new class of scientific instruments (akin to microscopes or stethoscopes) designed to take measurements from the Web. These will be connected and operate globally, offering access to data sets and open analytics and will support a range of stakeholders from academia, government and business. The University of Southampton is committed to the development of the Web Observatory which will not only support Web Science research but will offer broader insight into the mechanisms of modern society and "social machines" on the Web.

webscience.org/web-observatory

SOCIAM

SOCIAM – the Theory and Practice of Social Machines – is a major research programme funded by the EPSRC which aims to deliver greater insight into understanding and building the next generation of 'social machines'. These are part-technical and part-human systems that are co-created and develop capabilities ranging from solving routine tasks to handling emergencies. Led by the University of Southampton, SOCIAM also includes the University of Oxford and the University of Edinburgh.

sociam.org

Open Data Institute

The University of Southampton is a founding partner of the Open Data Institute, a world-leading organisation that pioneers new social and commercial value from open data.

theodi.org

SoFWIReD

SoFWIReD is a partnership with the Fraunhofer Institute in Germany in which we are developing a comprehensive platform for processing and analysing the Web of data, to support companies and governments and enable the transition towards collective intelligence by global industry.

www.sofwired.org

Web Science Institute at CeBIT

Earlier this year, the Web Science Institute and SoFWIReD were also strongly represented at CeBIT – the world's largest ICT exhibition, considered a barometer of the state-of-the-art in information technology. This year, Big Data was the lead theme for CeBIT and among the key speakers were Professor Dame Wendy Hall and Professor Sir Nigel Shadbolt. Through keynote speeches, as well as appearing in a TV discussion programme and promotional video, they represented the Web Science Institute, SoFWIReD and the Open Data Institute.

The UK was selected as the partner country for CeBIT 2014 and the event was officially opened jointly by David Cameron and Angela Merkel.

Web Science Institute:
From research to innovation

The WSI is very grateful to all of our collaborators and supporters:

Atos Origin Consulting

BBC

Bertelsmann Stiftung

Big White Wall

Bristows

British Library

BT

Business South

Cabinet Office

Cap Gemini

Channel 4

Computer Weekly

Connected Digital Economy Catapult

Consult Hyperion

Ctrl-Shift

D&G Media

Defence Science and Technology Laboratory

Deloitte

Edelman

Elsevier

ERCIM European Research Consortium for Informatics and Mathematics

Ethos

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Fraunhofer

Google

Group Partners

Hampshire County Council

Haymarket Media

Headstream

Herbert Smith Freehills

Highlands and Islands Enterprise

Home Office

IBM Ireland

IBM UK

Inqb8r

Internet Society

Janet

Lawton Communications Group

Mendeley

METIS Educational Partnerships

Microsoft Research

National Archives

National Crime Agency

National Institute for Health and Care Excellence (NICE)

NHS Direct

Nominet

Not on the High Street

Ocado

Office of Public Sector Information

Open Data Institute

Ordnance Survey

Peer 1 Hosting

Razorfish

Roke Manor Research

salesforce.com

Simplyhealth

South East Regional Organised Crime Unit

Switch Concepts

Thomas Eggar

Thomson Reuters

University College London

Unit 4

University of Oxford

Visceral Business

Yahoo!

www.southampton.ac.uk/wsi

www.twitter.com/sotonwsi
#LaunchWSI

www.youtube.com/user/webscienceinstitute

www.blog.soton.ac.uk/wsi