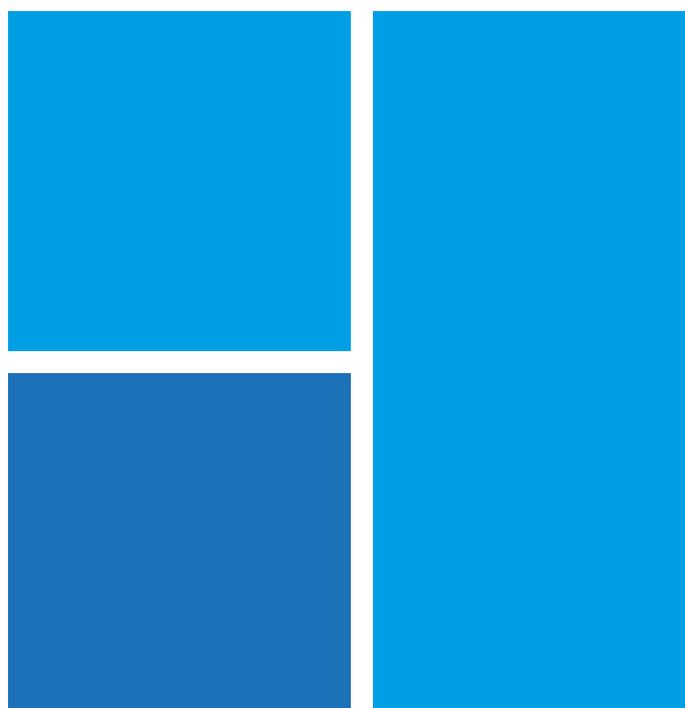
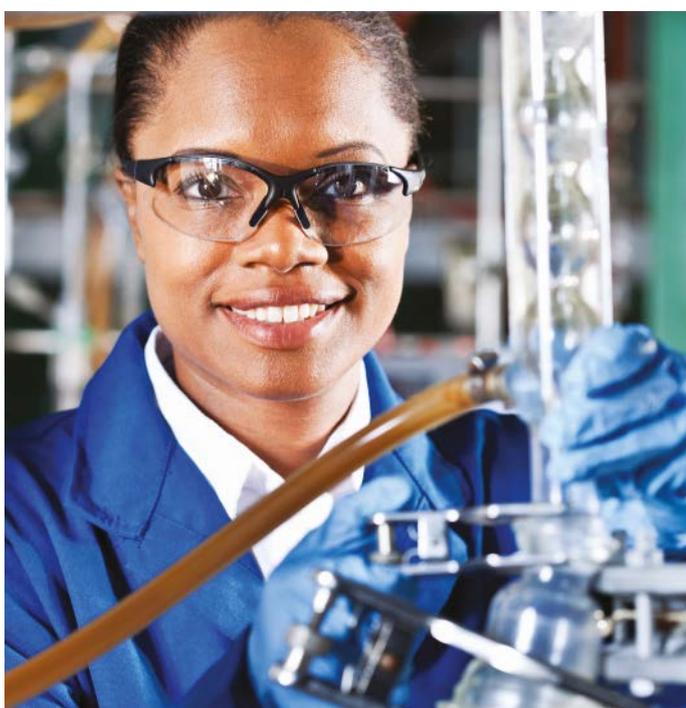


IST

**The Institute of Science & Technology
One-day Technical Conference 2016**



15th SEPTEMBER 2016

Manchester Conference Centre

Sackville Street | Manchester | M1 3BB

Key Sponsor



09:30-10:00	Registration
10:00-10:15	Welcome and opening remarks
10:15-10:45	Keynote 1 - Pioneer Theatre
10:50-11:35	Workshop 1 Workshop 2 Workshop 3 Workshop 4 Tour A*
11:35-12:05	Refreshment break and time to visit the sponsors' exhibition and view the submitted posters
12:05-12:50	Workshop 5 Workshop 6 Workshop 7 Workshop 8 Tour B*
13:00-14:00	Lunch - and time to visit the sponsors' exhibition and view the submitted posters
14:00-14:30	Keynote 2 - Pioneer Theatre
14:35-15:20	Workshop 9 Workshop 10 Workshop 11 Workshop 12 Tour C*
15:25-15:45	Refreshment break - and time to visit the sponsors' exhibition and view the submitted posters
15:45-16:00	Announcement and presentation of: Trainee/Apprentice Award Best Conference Poster Award
16:00	Close of Day

* The Manchester Synthetic Biology Research Centre SYN BIOCHEM is a UK/European Centre of Excellence for the synthetic Biology of fine and speciality chemicals production (including new products and intermediates for drug development, agrochemical and new materials for sustainable bio-manufacturing). Through active collaborations with a large variety of industry partners SYN BIOCHEM is harnessing the power of SynBio to propel chemicals/natural products production towards 'green' and more sustainable manufacturing processes.

Welcome note:

Pioneer Theatre

Terry Croft, MBE FIScT

CEO and Chairman of IST, Director of the National Centre for Technical Development and Modernisation



Keynote 1:

Pioneer Theatre

Professor Malcolm Press

Vice Chancellor of Manchester Metropolitan University



Technicians for the 21st Century

Keynote 2:

Pioneer Theatre

Helen Sharman OBE FRSC

IST President



Travels with a Space Technician

* Tours A, B, and C of SYN BIOCHEM are available but these are strictly limited to a group maximum of 10 delegates per tour. Pre conference registration for the tour is essential to secure a place and will be on a "first-come" basis only.

Workshop 1: (Pioneer Theatre) The pros and cons of health and safety, a manager's perspective

Tim Haycock
MEd FIScT

University of Sheffield



This session will show new and established managers, or personnel responsible for H&S in their area, how to engage with current regulations and procedures, and the problems that have arisen since my appointment as Research Centre Site Manager. It will inform about the battles with our H&S Department when getting new H&S equipment installed on a budget, and ensuring everyone is working correctly and in a safe environment.

This workshop will include a real life interactive case study.

Workshop 2: (Conference Room 5) Laboratory awareness

Charlotte Connor

Thermo Fisher Scientific



Thermo Fisher Scientific – who we are and what we can do for you! Within our workshop you will learn more about offerings from two of our major divisions. This will provide insight in to our newly expanded life science portfolio and our servicing capabilities. This session is tailored for anyone in a scientific environment.

Workshop 3: (Conference Room 1) 3D printing: from nuts and bolts to rock guitars

Wendy Birtwistle
MIScT RSci

Department of Mechanical Engineering
University of Sheffield



Additive Manufacturing or 3D printing has become very popular in the media in the last few years. This workshop will explain the practicalities of working within the Sheffield University Advanced Additive Manufacturing Centre (AdAM).

- How does 3D printing actually work?
- What 3D technologies do we have?
- What projects do we get involved in?
- What are the challenges?
- And how did I end up with my dream job?

Workshop 4: (Conference Room 7) Yes, technicians can have a career in academia...!

Clare Stevenson MIScT CSci,
John Innes Centre



This talk will highlight the different choices I have made in my career path so far. I am a research assistant (technician) at the John Innes Centre and, although I have been here for 20 years my job has changed dramatically over this time, from being a lab assistant to now running a platform service which is used across the whole institute – and beyond. By highlighting some of my career path choices I will also give some general tips that I have used that will be applicable to other roles and areas. I have recently obtained Chartered Scientist (CSci) status and am passionate about promoting the value of professional registration amongst the research and support staff (RSS) at the institute. I will talk about how we are promoting this amongst RSS staff at JIC and how this is raising the profile, and professional respect, of this crucial group of staff.

Workshop 5: (Conference Room 7)
WE don't use chemicals, or do we?

Philippa Nobbs
BA(hons) MCGI MIOSH FIScT



Chemicals are all around us – quite literally! We all use substances and materials that we probably don't regard as 'chemicals' but just as a means to do a job. And if the material has a non-chemical name, e.g. paint, how can we know if it might do us harm and how to make sure it doesn't? This workshop will look at chemical hazards and how to work safely in spite of them. We shall look at what information is necessary and how it should be translated into good working practice. The primary sources of information are the label and the Safety Data Sheet which should be supplied with any hazardous material used in the workplace. Delegates will find it helpful to bring an example of a Safety Data Sheet for a product that is commonly used in their workplace.

Workshop 6: (Conference Room 5)
Think outside the box with VWRCATALYST solutions

Paul Bell
VWR International



VWR is much more than a leading distributor of laboratory products. Join us in our workshop to find out just how much more. Challenge your perceptions as you learn about our range of bespoke and project managed services that can help you power your productivity, boost your efficiency and free up your time to focus on your core business.

- On-Site Laboratory Services
- Inventory Management
- Equipment Servicing and Control
- Custom Packing & Kitting of Products

Workshop 7: (Conference Room 1)
How flavours are created and applied at EL - Science, Peterborough

Geoff Passmore MIScT CSci, Master Flavourist, and Daniel Gordon Senior Retail Manager, and Flavour Application and technical specialist at EL Science



This workshop is aimed at anyone who wishes to learn more about this intriguing relatively new industry. EL - Science in Peterborough, is one of the top specialist manufacturers of e-cigarettes and associated products within the UK and Europe.

We will endeavour to describe a little about 1) The history of e-cigarettes, 2) Types of vaping products available, 3) Different parts of e-cigarettes and how they work, 4) Various aspects of e-cigarette flavour creation and matching, 5) Delegate interaction including trying out vaping various flavours 6) Discussions

Workshop 8: (Pioneer Theatre)
A strategic approach to technical support: redefining career structures and roles

Chris Turgoose MSc,
Co-Project Manager for the HEFCE National Centre for Technical Development and Modernisation



- Challenges and solutions for technical support over the next decade
- HEFCE Catalyst project findings to date, and forthcoming outputs
- Practical implications and engagement by HR and technical managers, and how can you help take things forward.

Workshop 9: (Pioneer Theatre)
Welcome to the seaside! Helping to protect swimmers at English beaches

Edyta Bartkowska MIScT RSci, Senior Assistant Scientist and Louise Pearce MIScT, Scientist, Microbiology section, National Laboratory Service,



Bacteria from farm animals may look the same as bacteria from humans, but if we could tell them apart, we could work more effectively to improve water quality at our bathing beaches. Following a brief outline of the legal requirements for microbiological testing of recreational and bathing waters under the Bathing Water Directive, we will use case studies to illustrate how regulatory and investigational work can be combined to help us better understand the microbiology of bathing beaches and also make us question whether a different approach to regulation would make swimming any safer.

Workshop 10: (Conference Room 1)
Greening Labs – how to engage people to embed sustainable practices

Charlotte Bonner
NUS and Helen Cutts,
Environmental Sustainability Project Officer, University of Manchester



We'll introduce why sustainability is of particular importance in a laboratory environment and explore how many labs use the Green Impact model to monitor and improve their impacts. Often, people engagement is seen as the most challenge aspect of change-management so we'll also explore how technicians can engage lab users in their sustainability initiatives using social change theory and sharing examples of good (and bad!) practice.

Workshop 11: (Conference Room 5)
TechNet Technicians Network – by technicians, for technicians

Natalie Kennerley FIScT CSci, Project Manager, University of Sheffield, & Kevin Oxley FIScT CSci, Resources and Operations Manager, University of Sheffield



This workshop will focus on the highly successful Sheffield TechNet networking model which was launched at the University of Sheffield in March 2014. Come and see how TechNet has changed the way technicians at Sheffield view their roles; how it's helped them gain new skills through work shadowing and mentoring and furthermore how it's helped them to understand the vital role they play within teaching and research. TechNet is now expanding and has an online forum which other institutions are part of – thus expanding the network to make it bigger and better. Come along and see how you can get involved – technically the future is bright!

Workshop 12: (Conference Room 7)
Proactively manage your personal development for career benefit

Katherine Forsey
Membership & Networks Manager, HEaTED



- Career and other benefits of proactively managing personal development
- Common barriers to development and how to overcome them
- The HEaTED Professional Development Route Map and how the HEaTED programme can help the personal development of all technical staff



Within our “Careers Zone” there will be an IST professional registration desk running all day, with IST staff available to help with your application or any advice, should you need it. There will also be CPD advice and personal development information available from HEaTED, and representatives from some of the special interest groups like UBMA (University Bioscience Managers’ Association) and TMU (Technical Managers in Universities). Why not drop in?.

Because there is a limit on the size of some of the technical talks/workshops we will ask you to choose your 3 talks/workshops (one from each session) before you attend on the day, full details will be sent one month before the event for all delegates. Please reply promptly to secure a place on a workshop. We cannot guarantee a place will be available on the day.

For professionally registered delegates (RSciTech, RSci, CSci), and also those delegates considering applying for professional registration, the conference and its workshops will contribute significantly to your professional and personal development (PPD). The programme includes 2 highly motivational talks from keynote speakers, plus 3 technical workshops (chosen from the 12 available) throughout the day. The conference also provides opportunities to participate through poster presentations, networking, and supplier/manufacture stands. All these will add considerably to your personal development, annual PPD score, and enhance your CV.

SPONSORS



Career Zone Supporters

