



The
University
Of
Sheffield.

How can digitalisation transform how we work and live?



BIN@SHEFFIELD

BUSINESS & INNOVATION NETWORK

30th October to
1st November 2017
Cutlers' Hall, Sheffield,
United Kingdom.



Supported by:



**Sheffield
Hallam
University**

Welcome

to the **Business & Innovation Network (BIN@) 2017 conference** hosted by the University of Sheffield and Sheffield City Region partners.

BIN@ is an informal international network of partners from across industry, academia, investment, incubation, business development and economic development agencies supporting the sharing of good practice and knowledge and promoting open innovation.

BIN@ was founded by three partner universities: the University of Sheffield, University of Porto and University of São Paulo.

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Contents

- 4-5** Conference overview and key themes
- 6-9** Day 1
 - Introductions from the BIN@ partner universities
 - An overview of global innovation ecosystems
 - Theme #1: Industrial Digitalisation
- 10-13** Day 2
 - Theme #2: Health and Wellbeing
 - Theme #3: Smart Cities and Mobility
- 14-15** Day 3
 - Partnership support and funding opportunities
 - Official BIN@ 2017-18 handover
- 16-17** Conference exhibition space
- 18-19** Social events
- 20-21** Conference information and floor plan
- 22** Notes
- 23** BIN@ sponsors and partners

Conference overview and key themes

BIN@Sheffield 2017 includes:

- Global examples of successful innovation ecosystems
- International speakers exploring the latest developments in digitalisation
- A wide range of workshops and Q&A sessions
- Opportunities to develop research and innovation collaborations
- Social events to share ideas with local and international delegates

The conference will focus on digitalisation across the following key areas:

Industrial Digitalisation (Day 1)

Exploring the challenges and opportunities that digital technology and automation present for the manufacturing industry and how businesses can become more productive and competitive by harnessing these new skills.

Health and Wellbeing (Day 2)

Exploring how the digitalisation of services and innovative technologies have the potential to transform the future of health and social care, overcoming growing barriers such as ageing populations, budget restraints and the challenges of modern life.

Smart Cities and Mobility (Day 2)

Exploring smarter and more sustainable urban infrastructure and services to accommodate the growing population that live and work in cities.

Sessions are also available to explore:

Partnership Support and Funding Opportunities (Day 3)

Day 1 - Monday 30th October

Please note that these sessions run in parallel to each other

Time	Location	Theme	Type	Title	Speakers	Summary
08.00-09.00	REGISTRATION					
09.00-09.15	Banqueting Hall	Introductions	BIN@ partner	Welcome to BIN@Sheffield 2017	Professor Dave Petley, Vice-President for Research and Innovation, The University of Sheffield.	A welcome to BIN@Sheffield 2017 and introductions from the three partner universities.
09.15-09.30	Banqueting Hall		BIN@ partner	University of São Paulo & BIN@	Professor Vanderlei Bagnato - Director of Innovation, University of São Paulo	
09.30-09.45	Banqueting Hall		BIN@ partner	BIN@ Welcome: Facts & Figures of an Open Innovation Network	Professor João Falcão e Cunha - Dean of the Faculty of Engineering, The University of Porto	
09.45-10.15	Banqueting Hall	Innovation Keynotes	Thematic Keynotes	Developing Sheffield City Region Advanced Manufacturing Innovation District (AMID)	Edward Highfield - Director, Creative Sheffield	Outlining the development of Sheffield's Advanced Manufacturing District which has already attracted the likes of McLaren Automotive, Boeing and Rolls-Royce. The presentation will cover the concept of the Innovation District, the unique capabilities of the area and the strategies to grow AMID into Europe's leading research-led manufacturing cluster.
10.15-10.40	Banqueting Hall		Thematic Keynote	Startups for International Action	Professor Vanderlei Bagnato - Director of Innovation, University of São Paulo	Discussing characteristics for startups that are essential for global success, suggesting ideas for global action.
10.15-10.40	The Drawing Room		Thematic Keynote	Building Northern Europe's Largest Innovation Hub – The Espoo Innovation Garden Story	Ari Huczkowski - CIO and Chief Innovation Evangelist, ESPOO Innovation Garden	Sharing experiences of a university campus packed with tens of thousands of hi-tech jobs, 5 thousand researchers, 20 thousand students, 110 nationalities, almost 50 R&D labs and organisations and one new fundable startup every week. That's Espoo Innovation Garden, and it's taken 70 years to build it.
10.40-11.05	Banqueting Hall		Thematic Keynote	Brazilian Innovation Ecosystem – Challenges and Collaboration Opportunities Through BIN@	Shirley Coutinho - Executive Manager, Agência PUC-Rio de Inovação & Vice-President, Fortec	Presenting the unique characteristics of the Brazilian innovation ecosystem, the profile of its colossal domestic market, and the challenges for technological development, intellectual property rights, and innovation that bring several opportunities for international partners.
10.40-11.05	The Drawing Room		Thematic Keynote	University Research Parks: Centres of Innovation Supporting University/ Industry Collaborations	Ellen Hemmerly - President, University of Maryland Baltimore County (UMBC) Research Park	A look at how U.S. University Research Parks have evolved into centres of innovation supporting tech commercialisation, university/industry partnerships and start up company activity. Increasingly, these Parks are developing "innovation districts" which bring together entrepreneurial resources in one location.
11.05 -11.30	REFRESHMENTS					

Day 1 - Monday 30th October

Please note that these sessions run in parallel to each other

Time	Location	Theme	Type	Title	Speakers	Summary
11.30-12.00	Banqueting Hall	Theme #1: Industrial Digitalisation	Thematic Keynote	Digitalisation Across Sectors	Ben Morgan – Head of Integrated Manufacturing/Factory 2050, Advanced Manufacturing Research Centre (AMRC)	Discussing 4th industrial revolution technologies and how they are being applied with original equipment manufacturers (OEMs) and small-medium sized enterprises (SMEs) in UK Industry.
12.00-12.30	Banqueting Hall		Thematic Keynote	Digital Transformation	Paul Brodrick - Business Development Director (Digitalisation), Siemens	Discussing the impact of digital transformation on cities and industry.
12.30-13.00	Banqueting Hall		Thematic Keynote	European Commission: Digitising European Industry Initiative	Professor Haydn Thompson – CEO, THHINK Group	Outlining the actions that are underway to link initiatives across Europe for the digitisation of industry and to boost investment through strategic partnerships and networks - following the launch (April 2016) of the European Commission's Digitising European Industry initiative.
13.00 - 14.00	LUNCH					
14.00-15.30	Banqueting Hall	Theme #1: Industrial Digitalisation	Workshop	SMART Logistics	Gordon Macrae – Special Projects Manager, Gripple Ltd Professor Lenny Koh – Management School, The University of Sheffield	Exploring new technologies and business models to transform logistics and distribution.
14.00-15.30	Drawing Room		Workshop	Internet of Things (IoT) Cybersecurity	Dr Achim Brucker - Senior Lecturer Software Assurance & Security, The University of Sheffield Ellen Hemmerly - President, University of Maryland Baltimore County (UMBC) Research Park	More and more devices of our daily life are "smart:" ranging from smart light bulbs to smart TVs to smart fridges - everything can, and most likely will be, in the future connected to the Internet. This development is true for both our personal life and even more so in business life where new connected devices, together with the digitalisation, have the potential to disrupt many business areas (e.g., Future Manufacturing). In this workshop, we will, together with the participants, explore security and privacy challenges and opportunities created by the Internet of Things / Industry 4.0.
14.00-15.30	Reception Room		Workshop	Steel Minions: Workplace Simulation for the Creative Digital Sector	Dr. Jacob Habgood – Director, The Steel Minions Game Studio	Exploring the history and goals of The Steel Minions Game Studio, which offers workplace simulation to students on Sheffield Hallam University's games degrees. This session will use the Steel Minions as a case study example for discussing the challenges and benefits of providing workplace simulation for the creative digital industries.
15:30-16:00	REFRESHMENTS					
16.00-17.00	Banqueting Hall		Panel	Growing a Creative Digital Industries Cluster	<i>Facilitated by:</i> Mark Gannon - Director of Business Change & Information Solutions at Sheffield City Council <i>Panelists:</i> Paul Beech - Co-Founder, Pimoroni Imogen Hesp - Digital Producer, Joi Polloi Dr. Sérgio Nunes - Media Innovation Lab, University of Porto Fátima São Simão - Creative Project Developer, Science and Technology Park, University of Porto	Sharing experiences of growing a creative digital industries cluster in both Sheffield and Porto, discussing how each country has developed its narrative, the key lessons learnt, successes and challenges.

Day 2 - Tuesday 31st October

Please note that these sessions run in parallel to each other

Time	Location	Theme	Type	Title	Speakers	Summary
08.00-09.00	REGISTRATION					
09.00-09.30	Banqueting Hall	Theme #2: Healthcare and Wellbeing	Thematic keynote	Research & Industry: A Journey in Collaboration and Pathways to Impact	Patrick Blanshard – CEO, Sensory Technologies Professor Sue Mawson – School of Health and Related Research (SchARR), The University of Sheffield	An exploration of the journey between Sensory Technologies and the National Institute for Health Research (NIHR) Collaboration for Leadership in Applied Health Research and Care (CLAHRC) Yorkshire & Humber, in bringing together healthcare innovation research and industrial technology to launch eShift in the UK through the EnComPaSS project.
09.30-11.00	Banqueting Hall		Workshop	Disrupting the Drug Discovery Lifecycle	João Transmontano – CEO, Biolotus Biotech Adriano Henney – Secretary General, Avicenna Alliance for Predictive Medicine Professor Marco Viceconti – Executive Director, INSIGNEO Institute for in silico Medicine, The University of Sheffield Dr. Markus Reiterer – Principal Scientist, Medtronic Corp	Analysing the current drug discovery lifecycle with emphasis on the duration and cost of the process, considering alternatives to radically change this process and what implications, difficulties and opportunities lie ahead.
09.30-11.00	Drawing Room		Workshop	Delivering Smart Health Solutions	Professor Paul O'Brien – CEO, Elaros	Looking at the unique way in which Elaros, a digital health company that was created by three NHS organisations and set up as a private company, identifies unmet clinical needs and then builds powerful partnerships to address them. This session will share the learning of the organisation to stimulate discussion and debate on partnering arrangements in health.
09.30-11.00	Reception Room		Workshop	Opportunities for Business in the Advanced Wellbeing Research Centre - Utilising Datasets and Technology	Sam Perkins – Business Development Director, Advanced Wellbeing Research Centre, Sheffield Hallam University	The market for healthcare is evolving with expansion in the market for preventative health technologies and services as individuals invest in their own wellness. Opening in Spring 2019, Sheffield Hallam University's Advanced Wellbeing Research Centre (AWRC) will establish industrial and academic collaborations which result in innovations that both tap into this growing market, and improve health outcomes.
11.00-11.30	REFRESHMENTS					

Day 2 - Tuesday 31st October

Please note that these sessions run in parallel to each other

Time	Location	Theme	Type	Title	Speakers	Summary
11.30-12.30	Banqueting Hall	Theme #2: Healthcare and Wellbeing	Panel	Overcoming Barriers in Healthcare Innovation Adoption	<p><i>Facilitated by:</i> Professor Paul Hatton - Director of Research, School of Clinical Dentistry, The University of Sheffield</p> <p><i>Panelists:</i> Malcolm Brown - Head of Strategy/Medical, Advanced Manufacturing Research Centre (AMRC) Jason Brannan - PR and Communications Director, Medilink Yorkshire and Humber Professor Fernando Monteiro - Faculty of Engineering, University of Porto Keith Jackson - Founder and CEO of 8-Q LTD, Experienced CEO and NED in the Healthcare Sector</p>	Discussing the barriers preventing uptake of innovation in health and tech transfer, with panelists sharing their opinions and experiences of how to overcome these challenges.
12.30-13.30	LUNCH					
13.30-14.00	Banqueting Hall	Theme #3: Smart Cities and Mobility	Thematic keynote	Smart Cities or Smart Citizens?	Professor Tim O'Farrell – Chair in Wireless Communication, The University of Sheffield	Discussing the role of the Internet of Things (IoT).
14.00-15.30	Reception Room		Workshop	Innovation, data and citizen-led design will transform how our cities are planned and new services created and delivered	Stephen Leece – Managing Director, Citi Logik	Discussing the wide implications #smartcities will have for all industries. Policymakers, business leaders and citizens must work collaboratively to design data driven solutions to solve ever increasing challenges in crowded urban environments. The session will highlight technology advances in #IntelligentMobility. At the forefront of these solutions is connected devices and digitally delivered services. The speakers discuss the latest Internet of Things (IoT) concepts which will transform the way that we live.
14.00-15.30	Banqueting Hall		Workshop	Air Quality in Urban Centres	Dr. Sam Chapman – Chief Innovation Officer and Co-Founder, The Floop Dr James Tate - Institute for Transport Studies, The University of Leeds	Exploring innovations to monitor and deliver improvements in air quality in urban centres.
15.30-16.00	REFRESHMENTS					
16.00-17.00	Banqueting Hall	Theme #3: Smart Cities and Mobility	Panel	Connected Autonomous Vehicles	<p><i>Facilitated by:</i> Dr. Sam Chapman – Chief Innovation Officer and Co-Founder, The Floop</p> <p><i>Panelists:</i> Alan Nettleton - Senior Technologist, Transport Systems Catapult (TSC) Professor Sandor Veres - Director of the Autonomous Systems and Robotics Research Group, The University of Sheffield Saket Mohan - Researcher, Transport Research Laboratory (TRL)</p>	Exploring the scientific and real world challenges facing driverless vehicles as CAVs (Connected Autonomous Vehicles) offer a strong potential to radically transform mobility.

Day 3 - Wednesday 1st November

Please note that these sessions run in parallel to each other

Time	Location	Theme	Type	Title	Speakers	Summary
08.30-09.30	REGISTRATION					
09.30 - 10.00	Banqueting Hall	Partnership Support and Funding Opportunities	Keynote	How to Engage with Universities - UPTEC Case Study	Clara Gonçalves - Executive Director Science and Technology Park - University of Porto	Exploring the opportunities available for businesses to engage with Universities taking the University of Porto's Science and Technology Park (UPTEC) as a case study. UPTEC is dedicated to incubating startups and hosting national and international Business Innovation, supporting an effective knowledge and technology transfer between academia and markets.
10.00 - 11.00	Banqueting Hall		Workshop	UK Funding for Research with Partners in Brazil	Dr. Melanie Knight - Challenge Driven Support Manager, The University of Sheffield	Sharing the latest information on applying for Global Challenges Research Fund (GCRF) and Newton Fund calls. Academic partners in Brazil are eligible for these collaborative research funds, with business and other partners needed for implementation and impact.
10.00 - 11.00	Reception Room		Workshop	EEN - Helping Ambitious Businesses Grow Internationally	Jenny Lawson - Manager, Enterprise Europe Yorkshire, Enterprise Europe Network	Exploring the business benefits of international collaboration and explain how the Enterprise Europe Network, which now covers over 65 countries worldwide, can help companies who wish to grow their business through international trade and innovation.
10.00-12.15	Drawing Room		Workshop	Beyond Venture Capital: Initial Coin Offerings, Blockchain & The Crowdfunding 2.0 Boom	Barry James - Founder & CEO, Crowdfunding Centre	Crowdfunding has been reinvented by Blockchain and this year outstripped venture capital funding in size and scope. What's next and how can businesses and universities build the know-how to benefit?
11.00 - 11.30	REFRESHMENTS					
11.30 - 12.30	Banqueting Hall	Partnership Support and Funding Opportunities	Workshop	Horizon 2020 – EU Funding for R&D Projects	Andrew Kent – Senior Client Advisor, Enterprise Europe Network Olivia Rocha - International Funding Advisor at H2020 Office, University of Porto	Are you looking for European funding programmes to take your research or innovation to the next level? Despite Brexit, EU funding and investment for innovation is still available – and remains a priority - at local, national and EU levels for the foreseeable future. This session will explore the H2020 R&D funding opportunities available and how UK organisations can find support to apply.
11.30 - 12.30	Reception Room		Workshop	Commercialisation at The University of Sheffield – Investing in Impact	Alison Zhu, Head of Intellectual Property Development and Commercialisation (IPDaC) Fund, University of Sheffield Brigita Jurisic - IP Commercialisation and Incubator Manager, Research and Enterprise, City, University of London	Explaining how leading edge research at the University of Sheffield and City, University of London is commercialised; underlining how it links to the increasing importance of impact in the UK Higher Education sector. Alison and Brigita will explore some of the barriers that prevent universities from growing their commercialisation pipelines, and present case studies with practical examples of how these barriers can be tackled.
12.30 - 13.00	Banqueting Hall			BIN Handover 2017-18	Pedro Coelho – R&D and Innovation Officer, Faculty of Engineering, The University of Porto Marcin Górski - Director Project Management Centre, Silesian University of Technology Grzegorz Kłapyta - Head of International Relations Office, Silesian University of Technology	Official handover for BIN@Porto 2018 and mid-term event announcements.
13.00	LUNCH					

Exhibitions

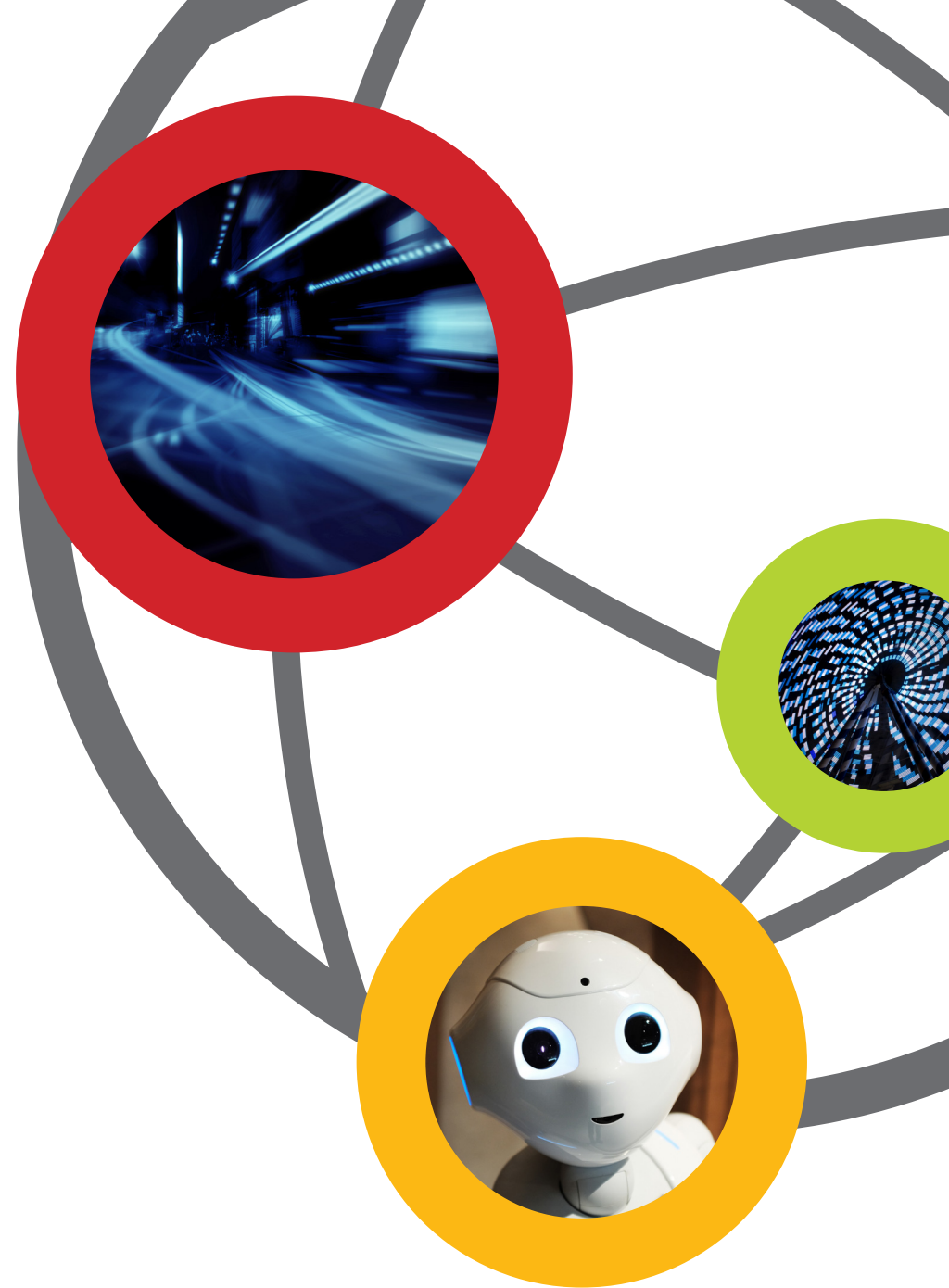
Take time to explore the range of exhibitions available in the main hall throughout the conference.

The exhibits will showcase a range of demonstrations, innovations and opportunities ranging from:

- Innovative digital services
- World-leading robotics
- Novel medical solutions and technology
- Crowdfunding opportunities
- Intelligent transport research
- Collaboration and innovation support programmes

Please see handout for full exhibitor details and floorplan.

There will also be breakout space available in the main hall to grab a drink, catch up on work or meet other attendees.



Social events

A number of social events are included in the conference programme to help connect partners from across disciplines and further develop an open and innovative network.

Day 1 - Monday 30th October

**Sheffield Universities' Managing Directors' Club
The Power of Play by Ian Livingstone**
5.45-8pm at Sheffield Institute of the Arts, S1 2AY

Regional networking group, the MD Club, invite BIN@ members to join them for drinks, dinner and presentation by 'one of the founding fathers of the UK games industry,' Ian Livingstone.

Ian was the mastermind behind such iconic brands as Lara Croft: Tomb Raider. He will give an entertaining and visual account of his struggles as an entrepreneur in the 1970s.

He will detail how 'digital' has transformed customer habits and business models, he will also talk about the importance of computing to promote creativity, computational thinking and problem solving.

MD / Sheffield Universities'
Managing Directors' Club

Day 2 - Tuesday 31st October

Drinks Reception

6-7pm Sheffield Winter Gardens, S1 2LH

BIN@ Dinner

7-9.30pm Sheffield Town Hall, S1 2HH

Join BIN@ attendees for a drinks reception and latin band in Sheffield's beautiful Winter Gardens before moving onto a formal dinner and further music at the Town Hall.

Registration for all social events is required and available via the website.



Conference information

Location: Cutlers' Hall, Church St, Sheffield S1 1HG

This impressive Grade II listed building is located in the heart of Sheffield and has excellent transport links, complimentary Wi-Fi and a proud history.

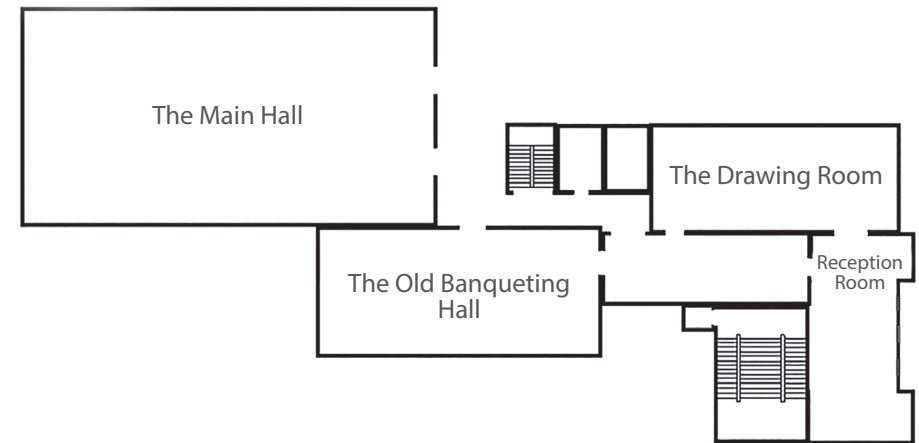
Catering: Drinks and a buffet lunch will be provided throughout the conference in the main hall.

Further information: For registration, travel and accommodation details, please visit the website.

Costs: BIN@Sheffield conference and social events are free to attend, however please note places are limited and guests must register in advance via the website: www.BINsheffield2017.com

Floorplan

First Floor





www.BINsheffield2017.com

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