



Future STEM Skills: Time for Change

The 2018 ASDC National Conference

Science and Industry Museum, Manchester
Wednesday 10th October 2018

Our 2018 Programme

9:00 - 9:30am

Registration, Coffee and Networking

Session 1: Chaired by Chas Bishop, CEO of the National Space Centre, Leicester

9:30 - 11:00

Chas Bishop, Chairman of ASDC and CEO of the National Space Centre

An introduction by the ASDC Chairman

Lord David Puttnam, CBE
Chair of Atticus Education, Member of the House of Lords and passionate advocate for the advancement of education

**Technology and creativity:
The ultimate power couple**

Dr Penny Fidler
CEO of ASDC

Inclusivity, fun and Science Centres of the future

11:00 - 11:30

Coffee and Networking, with Exhibitors

Session 2: Chaired by Dr Penny Fidler, CEO of ASDC

11:30 - 1:00

David Johnston, OBE
Chief Executive of the Social Mobility Foundation

Social mobility and the sciences

Professor Louise Archer
Karl Mannheim Professor of Sociology of Education, Institute of Education, UCL

Science capital: The latest evidence in engaging disadvantaged children

Dr Hayaatun Sillem
Chief Executive of the Royal Academy of Engineering

Bridging the gap

1:00 - 2:00

Lunch and Networking, with Exhibitors

Session 3: The National Showcase: A series of seven lightning talks Chaired by Leigh-Anne Stradeski, Chief Executive of Eureka! The National Children's Museum, Halifax

2:00 - 3:00

A lively and fast-paced series of talks with excellent speakers exploring the theme 'Time for Change.' Speaker biographies and abstracts are available on the ASDC website.

3:00 - 3:15

Coffee and Networking, with Exhibitors

Session 4: The Round Table Discussions, Chaired by Dr Penny Fidler

3:15 - 4:30

Sharing best practice, led by CEOs and senior experts from across our sector. 2 x 30 minute discussions to share ideas, challenges and good practice on topics of importance within our sector. Details of all the discussion topics are available on the ASDC website and in the programme. You will be asked to sign-up to discussions in the morning of the conference.

Finalé Session: Chaired by Dr Penny Fidler

4:30 - 5:15

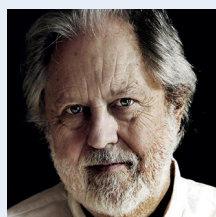
Sally MacDonald
Director, Science and Industry Museum

Lord David Willetts
Executive Chair of the Resolution Foundation

5:15 - 6:15pm

Finalé Drinks and Networking for Delegates

Our 2018 Speakers



Lord David Puttnam, CBE

Chair of Atticus Education and Member of the House of Lords

**Technology and creativity:
The ultimate power couple**



Chas Bishop

Chairman of ASDC and CEO of the National Space Centre



Professor Louise Archer

Karl Mannheim Professor of Sociology of Education, UCL

Science capital: The latest evidence in engaging disadvantaged children



Dr Penny Fidler

CEO of ASDC

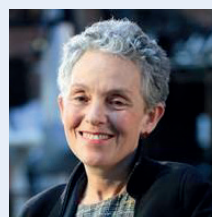
Inclusivity, fun and Science Centres of the future



David Johnston, OBE

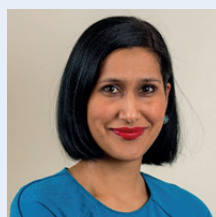
Chief Executive, The Social Mobility Foundation

Social mobility and the sciences



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Bridging the gap



Leigh-Anne Stradeski

Chief Executive of Eureka! The National Children's Museum



Lord David Willetts

Executive Chair of the Resolution Foundation

Our 2018 Lightning Talk Speakers

1. Dr Sheila Kanani

Royal Astronomical Society

RAS200: Engaging diverse partners and diverse audiences with astronomy and geophysics

2. Will Hunter

We The Curious

Handing over the reigns to make space

3. Susan Murabana Owen

The Travelling Telescope, Kenya

The travelling telescope

4. Dom McDonald

The Royal Institution

The future of the Christmas Lectures

5. Clio Heslop

British Science Association

Collective Impact: How could we create societal-wide change?

6. Vicky Clifton

National Science and Media Museum

Literally science

7. Brendan Owens

Royal Museums Greenwich

Astronomy and Islam

Discussion Tables

3:15pm: Session 1

1. Social mobility: Improving it and measuring it

Chaired by David Johnston

Chief Executive, The Social Mobility Foundation

2. Designing for inclusion

Chaired by Dr Gillian Lang

Deputy Director of Science, Glasgow Science Centre

3. Engaging with remote and rural communities

Chaired by Liz Hodge

CEO, Aberdeen Science Centre

4. Improving approaches to funding public engagement with STEM

Chaired by Ian Duffy

Head of UK Communications and Community Development, BP on behalf of The National Forum for Public Engagement with STEM

5. Connecting Science Centres with current research

Chaired by Terry O'Connor

Head of Communications, STFC

6. The moon landing 50th anniversary celebrations 2019, and UK spaceports

Chaired by Dr Jaclyn Bell

Space and Physics Project Manager, ASDC

7. Measuring what we do: How do we create a shared understanding of what effective Science Centres look like?

Chaired by Rebecca Hurwitz

Graphic Science, Evaluators of the Inspiring Science Fund

8. Fake news

Chaired by Noel Jackson

Head of Education, International Centre for Life

9. Informal STEM learning indoors and outdoors

Chaired by Bridget Holligan

Director of Education and Engagement, Science Oxford

10. Should Science Centres campaign on environmental issues?

Chaired by Heather Lampard

Projects Associate, ASDC

11. Leading cultural change in an organisation

Chaired by Ben Ward

CEO, Winchester Science Centre and Planetarium

12. Science capital: A national programme for Science Centres

Chaired by Karen Davies

Head of Learning Research and Resources, Science Museum

3:55pm: Session 2

1. Improving social mobility in our Science Centres

Chaired by Dr Robin Hoyle

Director of Science, Glasgow Science Centre

2. The new All Party Parliamentary Group on Inclusion and Diversity

Chaired by Clio Heslop

Cultural Partnerships Manager, British Science Association

3. How can we measure if we're welcoming a more diverse audience?

Chaired by Shaaron Leverment

Deputy CEO, ASDC

4. The Inspiring Science Fund: Reflections on the programme to date

Chaired by Alexis Mannion, Public Engagement

Development Manager, Wellcome Trust and Liz Hodge
CEO, Aberdeen Science Centre

5. Creating powerful advocacy for your work

Chaired by Hannah King

Public Engagement Officer, NERC

6. Reaching under-represented groups through outreach programmes and community-led initiatives

Chaired by Rebecca Erskine

Head of Development, Dundee Science Centre

7. Promoting gender equity in STEM

Chaired by Andy McLeod

Special Projects Manager, ASDC

8. Embodied learning: A beginner's guide

Chaired by Susan Meikleham

Senior Learning Coordinator, Glasgow Science Centre

9. Improving approaches to funding public engagement with STEM

Chaired by Ian Duffy

Head of UK Communications and Community Development, BP on behalf of The National Forum for Public Engagement with STEM

10. Science capital: A national programme for Science Centres

Chaired by Karen Davies

Head of Learning Research and Resources, Science Museum

11. Supporting formal STEM education

Chaired by Kierann Shah

General Manager, National Space Academy

12. How far can participatory practice go in Science Centres?

Chaired by Amanda Colbourne

Participation Catalyst, We The Curious

13. Social media

Chaired by Sophie Ballinger

Communications Manager, Eureka! The National Children's Museum

