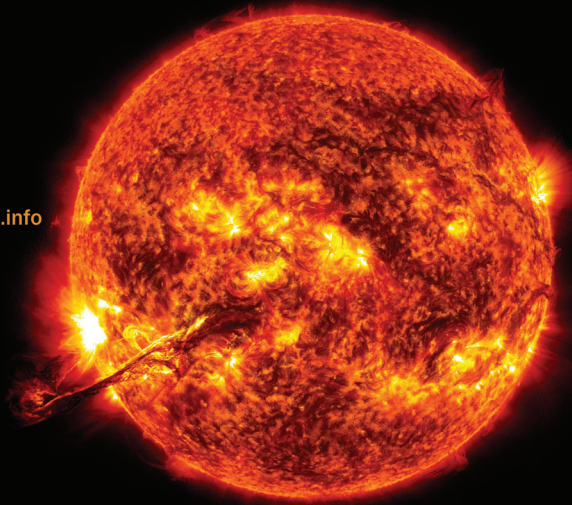


www.thesunatnight.info



David Henckel

30 November - 01 December 2013

THE SUN AT NIGHT

Dan Wilkinson

The Covered Market, Preston, Lancashire PR1 2JA

Including talks by Professor Robert Walsh and Stephen Halliwell


uclan
University of Central Lancashire


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You are cordially invited to:

THE SUN AT NIGHT

Preview evening - 7.15pm

Saturday 30 November 2013.

Come to Preston's Victorian covered market and experience the Sun as you have never seen or heard it before.

David Henckel and Dan Wilkinson have collaborated with the University of Central Lancashire's Research and Innovation Office and been granted access to the stunning images of the Sun captured by NASA's Solar Dynamic Observatory. Experience a year in the life of our favourite star in just 30 minutes as it slowly rotates around a large cylindrical projection screen over the course of two evenings. Includes talks at 7.30pm on Saturday and Sunday evening by Professor Robert Walsh and Stephen Halliwell and a live improvised performance using analogue synthesisers responding to the footage at 8.00pm on Sunday.

more info - www.thesunatnight.info

Installation runs overnight on Saturday 30 November
and Sunday 01 December 2013.



Press Release – Immediate release

The Sun at Night – David Henckel & Dan Wilkinson

Come to Preston's Victorian covered market and for two nights only experience a year in the life of our favourite star as you have never seen or heard it before

The Sun at Night is a new Arts Council England and University of Central Lancashire funded installation by David Henckel and Dan Wilkinson that explores our relationship to the Sun and creatively disseminates the research of UCLan's Solar Physics group utilising the stunning images taken by NASA's Solar Dynamics Observatory.

Over the course of two nights the covered market will be transformed into the centre of our solar system with a large-scale public art installation. One year's worth of footage of The Sun has been condensed into a 30-minute film, which will slowly rotate around a large cylindrical projection screen accompanied by an appropriately deep and sinister soundtrack.

A contemporary equivalent to the public lectures of Preston astronomer Moses Holden, who used an orrery (model of the solar system) and magic lanterns to educate the public about our solar system, The Sun at Night allows the public to experience some of the cutting edge solar physics research which takes place at the University of Central Lancashire.

The event will include a talk about the Sun by Professor Robert William Walsh – Director of UCLan's Research and Innovation Office, a talk about Moses Holden by local history detective Stephen Halliwell - an expert on the Preston Astronomer, and a live improvised performance at 8.00pm on Sunday night using analogue synthesisers and samplers / found sounds reacting to the footage.

www.thesunatnight.info

The Event

The Sun at Night

7.15pm – 5am, Saturday 30 November 2013 - Talks begin at 7.30pm

5pm – 5am, Sunday 01 December – Talks begin at 7.30pm performance at 8.00pm

The Covered Market

Preston, Lancashire PR1 2JA

<http://www.prestonmarkets.co.uk>

For further information and images, contact: David Henckel – Lead Artist

E: david.henckel@gmail.com

W: <http://thesunatnight.info>

Facebook event page

<https://www.facebook.com/events/495877710508696/?context=create>

Twitter: #thesunatnight

ENDS

Notes for editors

The Project

The Installation

The Installation consists of a large (10m wide x 4m high) cylindrical projection screen situated in the centre of the covered market. Slowly rotating around its circumference a film consisting of one years worth of High Definition footage of the Sun taken by NASA's Solar Dynamic Observatory compressed into 30 minutes. A deep and sinister soundtrack composed by the artists will accompany it.

The Covered Market

The **Covered Market** in Earl Street, [Preston, Lancashire](#), England is a Grade II listed landmark structure built 1870-75. 4 days a week the splendid Victorian canopy next to the Market Hall comes to life with a traditional open market. Over 140 stalls can be accommodated in this central location right in the heart of Preston Town Centre.

[Market website](#)

The Talks

LIVING WITH A STAR

A unique opportunity to see our dynamic Sun up close and personal

Join Professor Robert Walsh on a journey to our closest Star- the Sun. Using the latest images and movies, we will explore the nuclear reactions at the heart of the star, analyse the Sun's magnetic personality and shelter from solar storms as we understand the potential impact of space weather on Earth

Moses Holden

Stephen Halliwell will discuss the public lectures of Moses Holden in the 1800's who used an Orrery and magic lanterns to educate the public about our solar system.

Holden (1777–1864), astronomer, was born in Bolton, Lancashire, on 21 Nov. 1777. As a youth he worked in a foundry at Preston, until disabled by an accident. On his recovery he occupied himself first as a landscape gardener, then as a weaver. Early in life he possessed a strong love of astronomy, and he collected a library that was remarkable for someone of his station. In 1814–15 he constructed a large orrery and an ingenious magic-lantern. These were made for the purpose of illustrating his astronomical lectures, which were first given in the Theatre Royal, Preston, in 1815, and afterwards in many towns in the north of England. In 1818 he published 'A small Celestial Atlas, or Maps of the Visible Heavens, in the Latitude of Britain,' 3rd edit. 1834, 4th edit. 1840. It was one of the earliest works of the kind published at a low price. He also compiled an almanac, published in 1835 and later. In 1826 he devoted the proceeds of one of his lectures to the erection of a monument in St. Michael's Church, Toxteth, Liverpool, to the memory of Jeremiah Horrocks the astronomer. He assisted in establishing the Preston Institution for the Diffusion of Knowledge, and in 1834 the freedom of the borough was conferred on him. He died in Preston on 3 June 1864, aged 86.

The University of Central Lancashire's [Solar physics group](#)

The research carried out by the solar group focuses on studying the Sun and how the Sun's activity affects the Earth.

[NASA SDO](#)

SDO: The Solar Dynamics Observatory is the first mission to be launched for NASA's Living With a Star (LWS) Program, a program designed to understand the causes of solar variability and its impacts on Earth. SDO is designed to help us understand the Sun's influence on Earth and Near-Earth space by studying the solar atmosphere on small scales of space and time and in many wavelengths simultaneously.

SDO's goal is to understand, driving towards a predictive capability, the solar variations that influence life on Earth and humanity's technological systems by determining:

- how the Sun's magnetic field is generated and structured
- how this stored magnetic energy is converted and released into the heliosphere and geospace in the form of solar wind, energetic particles, and variations in the solar irradiance.

Project Team

David Henckel – Lead Artist

Currently appointed at Artist in Residence within the Public Engagement Unit at UCLan. David Henckel is a contemporary audio-visual artist, experienced in leading public art projects, which involve multiple partners.

He has a multi-disciplinary practice, which includes drawing & painting, screen-printing, film, sound and installation. Often creating work, which fuses Science, politics of space, the nature of sound, community engagement and the audience as players within the work. The installation *Venus in Sole Visa*, brought together artists, physicists, musicians, a visiting composer, NASA and a village community for the 2012 Transit of Venus.

Selected as one of Axis' MA Stars in 2012 he recently exhibited with Opoint3recurring (an artistic collective) at the Bluecoat, Liverpool, as part of Portfolio North West and was one of five Lancashire-based artists commissioned by [In Certain Places](#) to develop new temporary public artwork, which was presented during the Preston Guild celebrations in September 2012.

He is also the founding editor of [The Two Hats](#) – a multi-authored website that promotes, reviews and critiques the best of art and culture in Preston.

www.davidhenckel.com

Dan Wilkinson – Lead Artist

Dan Wilkinson is a practicing technological artist, composer, & academic.

His work intersects through multi channel audio installation, electronic sculpture, multi screen video and sensor based a/v environments, through which he explores mapping and sites, crossing over from the lived environment to the gallery space.

Wilkinson is a founding member of 0point3recurring , where he recently exhibited 'MODZ'; an interactive 10 channel (audio) and 3 screen (visual) interactive a/v installation at the Bluecoat Gallery, Liverpool, as part of Portfolio North West. The work was a interactive piece of mobile sound sculpture that brought together modified cars and brutalist architecture.

Dan Wilkinson currently lectures at the University of Central Lancashire in Music and Multimedia Arts. His current art and research collects and reworks the artefacts of industrial spaces.

Leon Hardman – Technical director for AV

Hadley Laurence-Brooks

Engineer - designed the internal structure for the cylindrical projection screen.

Hadley Brooks has been a mechanical engineering lecturer at the University of Central Lancashire since January 2012. He specialises in novel manufacturing technologies and product innovation. He previously worked at the Lancaster Product Development Unit at Lancaster University providing engineering design and prototyping expertise.

Dr Daniel Brown Compiled one year of footage from NASA's Solar Dynamic Observatory and provided light curve data which influenced the soundtrack.

Daniel Brown has been a Lecturer in Physics and Mathematics at the University of Central Lancashire since September 2009. He is also a member of the solar physics research group which is part of the Jeremiah Horrocks Institute. He has previously worked at Aberystwyth University and the University of St Andrews. As part of his research he analyses observations from NASA's Solar Dynamics Observatory.

Dr Joanna Heaton-Marriot

is the Public Engagement Manager at UCLan and also Director of the Lancashire Science Festival. She is project manager for this phase of The Sun at Night.

http://www.uclan.ac.uk/research/environment/public_engagement.php

Professor Robert William Walsh

Prof Robert Walsh is the University Director of Research and Innovation at UCLan and also the lead of the Solar Astrophysics Group. His research centres on modeling and observing the Sun's outer atmosphere and corona.

Stephen Halliwell

Stephen is a local historian interested in the Old and Ancient Pubs and Beer Houses of Preston (within the City boundaries). Visit SteveHalliwell.com and The Life and Times of Moses Holden 1777 - 1864 - A Preston Astronomer and Lecturer on the subject.

Professor Lubaina Himid - Consultant providing mentoring and advice on various artistic aspects of the project.

As a painter, writer and curator Lubaina Himid has participated at an international level in exhibitions conferences books and films on the visual art of the Black Diaspora since the early 1980's.

Professor Charles Quick - Consultant providing mentoring and advice on all areas of public art and installation.

Charles Quick has over 30 years experience of working as an artist/researcher and curator in the public realm. He has contributed permanent and temporary projects for cities across the United Kingdom. In 2003 he co-founded the curatorial project 'In Certain Places' which since then has worked with regional, national and international artists to develop works for the City, which have revealed, critiqued and provoked new understandings of a place and its peoples.

Major funders:

Arts Council England

Our mission at the Arts Council is 'Great art and culture for everyone'. We work hard to achieve this by championing, developing and investing in arts and cultural experiences that enrich people's lives. We have a 10-year strategic framework, running from 2010-2020; and at the heart of this we have five goals, all there to help us meet our mission. In October 2013 we released the second edition of this publication - you can [download the publication \(PDF\)](#) or find out more by exploring this page...- See more at: <http://www.artscouncil.org.uk/what-we-do/mission/-sthash.j6Z1vbA3.dpuf>

The University of Central Lancashire

The University of Central Lancashire (UCLan) in Preston was founded in 1828 as the Institution for the Diffusion of Knowledge. 'Ex solo ad solem', or in translation, 'From the Earth to the Sun', has been its motto ever since – helping people from all walks of life to make the most of their potential is what UCLan's all about. From state-of-the-art facilities and world class teaching and support to help undergraduate students succeed, to providing world-leading Astrophysics researchers with the opportunity to work with NASA and photograph the Sun, UCLan has it all.

Project partners:

AtoV

AtoV has been providing high quality projection, display and video equipment rental since 2002, backed up with experienced staff. In that time much has changed in both display technology and video playback. It has therefore been our job to keep on top of the latest developments in technology as well as relying on tried and tested methods after all 'there is no point in reinventing the wheel'.

Where we see a product that makes things better we have been quick to embrace it and integrate it into systems we know already work. By being an independent company with no manufacturer tie ins or holding companies to answer to, we are able to combine the best equipment around to create a system to rely on.

Harkness Screens

Harkness Screens is the world's largest manufacturer of [projection screen surfaces](#), specialising in the design and production of [custom screens](#) of virtually any size and shape. We got our start in cinema more than 80 years ago, and have since expanded to serve the [Event Screen](#) and Custom Screen markets. We serve customers all over the world, in more than 60 countries.

Touchline Fabrications Limited

Touchline Fabrications Ltd of Preston offers a complete structural steel design and build service and fabricates an extensive range of steelwork.

- Steel frames structures
- Secondary Steel
- Lattice trusses and tubular steel
- Steel platforms and gantries
- Staircases, balconies and balustrades
- Bespoke fabrication
- Site welding

Servicing the whole of the UK and primarily the North West of England, we work with the countries leading engineers, contractors and client direct on both new build and refurbishment projects.

Preston City Council

Preston City Council is a district council, working alongside Lancashire County Council as part of a two-tier local government system.

They Eat Culture

They Eat Culture is a direct creative intervention into the cultural life of Preston, developing the city as a open-to-all cultural venue & a living magazine.

They Eat Culture also helps shape the growth of Lancashire through arts engagement, develop audiences through online and in person cultural opportunity; reactivate disused spaces and places and create cultural centres; grow partnerships across local/county authorities, education, third/voluntary sector, and private enterprise; activate through networks & provide CPD opportunities; kick-start and

deliver quality work through collaborating with communities and creatives;
producing multi-artform interventions, installations and transmedia projects.

Operation Soundsystem

Established in 1996 the “North West Heavyweight” OPERATION SOUND SYSTEM is a custom built, hand crafted, reggae & dub sound & record label based in UK. Live in session Operation Sound is a raw reggae, dub, steppas, roots & culture experience not to be missed....

Over the years we are privileged to have played with sounds such as:
Jah Shaka, King Earthquake, Iration Steppas, Disciples, Quaker City, Roots Vibration, Quadraphonic, Axis, Adrian’s Wall, Inspirational Sound, Toxic, Universal love, Jah Lion, Dub Smugglers, Hytal Bosrah, Roots Renegade, Goverment, Sama Roots, King Cosmic, Freedom Masses, Ballistic Sound, Ital Ebony, Irie Vibes & nuff more..... Also alongside Bands, singers & players such as... reggae legends Culture, Little Roy, Vibronics, Parvez, Daddy Teacha, Jonah Dan, Jah Melodie, Iden Natural, Echo Ranks, Nucleus Roots & Prince Jamo.
