



[Contact us](#)   [Sitemap](#)   [Our benefactors](#)   [Help](#)

[Home](#)

[British Science Festival](#)

[Booking](#)

[About Surrey](#)

[Schools' Programme](#)

[Student Bursaries](#)

[About the Festival](#)

[Event Organisers](#)

[Contact the Festival team](#)

## British Science Festival

### Event details

#### COPERNICUS AND THE ASTRONOMY OF MEDIEVAL ISLAM

[add to basket](#)

<b>Organisation:</b>	University of Surrey
<b>Collaborative organisations:</b>	
<b>Date of Event:</b>	Start Date: 07/09/2009 End Date: 07/09/2009
<b>Time of Event:</b>	Start time: 10:00 - End time: 12:00
<b>Sponsors / Supporters:</b>	
<b>Event Summary:</b>	One of the most important and famous revolutions in the history of science was Copernicus' confirmation of the heliocentric model of our solar system. Join Jim Al-Khalili and guest speakers to find out how Copernicus would not have achieved what he did without knowledge of the work of much earlier Islamic scholars as is evident in his writing and diagrams.
<b>Audience level:</b>	4. All adults
<b>Event Category:</b>	History, heritage and religion
<b>Keyword:</b>	history of science
<b>Booking information:</b>	
<b>Venue:</b>	LT L, University of Surrey

[Print](#)

#### Event Agenda

07/09/2009 10:00 - 10:05	<b>welcome and overview of the session</b> <a href="#">Professor Jim Al-Khalili OBE - University of Surrey and Vice President of British Science Association</a>	<b>Welcome / Introduction</b>
07/09/2009 10:05 - 10:10	<b>Cultural roots of science for Cultural Convergence</b> Professor Salim Al-Hassani - University of Manchester  One fascinating, yet neglected, area of science is that of its cultural roots. This important aspect of science impinges on all areas of social cohesion, cultural convergence, even World peace. After reviewing the gap in Science taught in schools, this talk will describe some of the virtual 3D reconstructions of many complex medieval machines from Arabic manuscripts.	<b>Talk</b>
07/09/2009 10:35 - 11:05	<b>The Legacy of Arabic astronomy</b> Dr Rim Turkmani - Imperial College  Arabs started their contribution to astronomy by making it a science in its own right. Having inherited astronomy and astrology as one product from the Greek they made a clear distinction between the two. They rejected any astronomical model that did not match observations; they utilised Math and applied it skilfully in astronomy and developed and introduced sophisticated observational instruments	<b>Talk</b>
07/09/2009 11:05 - 11:30	<b>Copenicus, Revolutionary or Palgiarist</b> <a href="#">Professor Jim Al-Khalili OBE - University of Surrey and Vice President of British Science Association</a>  Copernicus is often hailed as the father of modern astronomy. But long before the telescopes, Islamic scholars, virtually unknown in the west, made huge advances using incredibly accurate measurement and rigorous mathematics. This talk will describe how a different version of history has recently been uncovered during the making of a the BBC4 series Science and Islam.	<b>Talk</b>
07/09/2009	<b>Panel discussion and Q&amp;A</b>	<b>Questions</b>

11:30 - 12:00

**and  
Answers**

---

[<< back](#)



[Home](#) | [Contact us](#) | [Sitemap](#) | [Our benefactors](#) | [Help](#) | [Search](#) | [Privacy & terms of use](#)