



# SEC2004

**Solar Eclipse Conference**

**20 – 21 – 22 August 2004**

**Open University, Milton Keynes UK**



## Introduction

The solar eclipse conferences, SEC, happen at non central solar eclipse years. The first Solar Eclipse Conference, SEC2000, was held in Antwerp, Belgium on the 14th and 15th October 2000. Attended by one hundred and fifty delegates out of over 20 different countries.

The eclipse world tends to be very incestuous, but only to the point where we meet each other in some distant airport or railway station completely by chance. Therefore the main objective of the conference is to bring together professionals and amateurs, with the extra dimension of covering all aspects of solar eclipses. This conference is intended to be available to everyone but registration is necessary.

Two days of lectures will be given in each of the disciplines: predictions, mathematics, solar physics, weather forecasting, eye safety, diameter measuring, edge and central, and ancient eclipse research. Of course the past and forthcoming solar eclipses, as well as the transit of Venus should be great topics of discussion.

The speakers are invited to give lectures, on their specialist subject. Friday evening is an informal meeting where films and video's will be shown. There will be as well a buffet. Poster sessions are without presentation and with display facilities only. Please register for a presentation, paper or poster.

To share the costs of the conference and help the speakers to minimize their expenses, we count on a number of sponsors, donations or any other support possible. We hope to receive a gigantic number of applications. Please ask for more details.

A preliminary programme is included. Updates will be available and broadcast on a frequent base. Do not hesitate to contact us.

Best regards,

Joanne and Patrick Poitevin  
([solareclipsewebpages@btopenworld.com](mailto:solareclipsewebpages@btopenworld.com))



## Friday 20 August 2004

Entrance Main Reception of Berrill Building

18h00 Doors Open

18h30 Welcome and registration

19h00 Buffet

20h00 Jean Marc Lariviere (Canada) "Moving Eclipses - Eclipses in  
Films"

20h40 Babak A. Tafreshi and Hamid Khodashenas (Iran) "Shadow in the White  
Continent"

21h10 End

22h00 Doors closed



## Saturday 21 August 2004

- 08h00 Doors Open
- 08h30 Welcome and registration
- 09h00 Opening SEC2004
- 09h10 Daniel Fischer (Germany) "Getting your own AU with transits of Venus"
- 09h30 Glenn Schneider (USA) "EFLIGHT 2003 - The Umbra on Ice from 35,000 ft"
- 10h00 Eckehard Schmidt (Germany) "Nuremberg - its history of solar eclipses"
- 10h30 Break
- 11h00 Pierre Guillermier (France) "Eclipse Paintings in the XVIe and XVIIe century :  
The Pieter Paul Ruben's Christ on the Cross and the Antoine Caron's Dionysius  
the Areopagite"
- 11h35 Rob van Gent (The Netherlands) "Early Examples of Eclipse Mapping"
- 12h00 Lunch
- 13h40 Chris O'Byrne (Ireland) "A calculator and timer for eclipse day"
- 14h00 Marcos A. Peñaloza-Murillo (Venezuela): "Radiative response of the sky and of  
the surface during the Solar Eclipse of 3 February 1916 at Tucacas and during  
the Solar Eclipse of 26 February 1998 in the Paraguana Peninsula on the West  
ern Caribbean Coast of Venezuela"
- 14h30 Jean Paul Goddard & Martine Tlouzeau (France) "Eclipses through Philately"
- 14h50 Jay Pasachoff (USA) "Science from eclipses and from the transit of Venus"
- 15h30 Break
- 16h00 Ralph Chou (Canada) "Eye Safety: Transmittance data, reports of eye injuries,  
law suits and more"
- 16h30 Leo Dubal (France) "Questioning Ancient Eclipse Records"
- 17h00 Friedhelm Dorst (Germany) "Three Exciting Black Moons"
- 17h30 Break
- 18h00 Mike Foulkes & Derek Hatch (UK) "Eclipse Imaging - 20 years of trying to  
improve"
- 18h40 Nigel Evans (UK) "Flash"
- 19h00 Jay Anderson (Canada) "2005 and beyond - a look at eclipse weather prospects  
for the next five years"
- 19h30 End Day one
- 20h00 Doors closed
- 20h30 Dinner



## Sunday 22 August 2004

08h00 Doors Open

08h30 Welcome and registration

09h00 John Tilley (UK) & Luca Quaglia (Italy) "Solar Eclipse Explorer"

09h40 Serge Koutchmy (France) "Towards a higher spatial resolution in coronal total eclipse imaging"

10h20 Break

10h50 Tom van Flandern (USA) "View from the edge: The special phenomena that make totality so spectacular"

11h30 John Parkinson (UK) "A Sideways Look Back at the 1999 Eclipse in the UK"

12h00 Lunch

13h40 Fred Espenak (USA) "Eclipse Predictions for 2005 and Beyond"

14h20 Vojtech Rusin, Milan Minarovjeh (Slovakia) & Miloslav Druckmuller (Czech Republic): "Image Processing"

15h00 Break

15h30 Richard Stephenson (UK) "Historical eclipses: then and now"

16h10 Peter Hingley (UK) "Picturing Eclipses; 500 years of Eclipse Imagery"

17h00 Closing SEC2004

17h10 End Day Two

18h00 Doors Closed



## Posters SEC2004

### In alphabetical order:

- EDP Sciences (France) “Astronomy and Astrophysics”
- Explorers Travel (UK) “Astronomy Expeditions”
- Denis Fiel (France) “The polarisation of the corona during the 2001 solar eclipse”
- Harald Frey (USA) “Solar Eclipses on the terrestrial dayglow from space - Far Ultraviolet Imager on the IMAGE spacecraft”
- Thomas Goodey & Prof. Dimitrie Olenici (UK/Romania) “The Sun and solar eclipses as presented in traditional Romanian architecture”
- Serge Koutchmy (France) “Solar Eclipse of 1999 Iran, 2001 Angola and 2002 Angola
- Mayhugh Travel (USA) “Astronomy Vacations”
- Jan Sladeczek (Czech Republic) “Solar Eclipse Journeys: My Experience”
- Peter Tiedt (South Africa) “Automated Eclipse Photography using Intel based computers for cameras equipped with an electronic cable release”
- John Tilley (UK) and Luca Quaglia (Italy) “Solar Eclipse Explorer”
- Roger Webb (UK) “The Solar Eclipse from the Antarctic”
- Val and Andrew White (UK) “Total Solar Eclipses of 2001 and 2002”



## Sponsors SEC2004

**In descending order of value:**

- Open University Milton Keynes (UK)
- Anonymous 1 (USA)
- Rainbow Symphony (USA)
- Anonymous 2 (The Netherlands)
- Astronomy Vacations by Mayhugh Travel (USA)
- Jay Anderson (Canada)
- Friedhelm Dorst (Germany)
- British Astronomical Association Journal (UK)
- Explorers Travel (UK)
- EDP Sciences (Astronomy and Astrophysics) (France)
- Dale Ireland (USA)
- Luca Quaglia (Italy)
- Michael Gill (UK)
- John Baterson (Ireland)
- Jeffrey Eccleston (UK)
- Bengt Alfredsson (Sweden)