



SCOPEX 2008 - EVENT SCHEDULE

Last updated 19 May 08

| JC Lemmer Main Auditorium | Dan Pienaar Gun Park | Delville Wood Room |
|--|---|--|
| <p>9:00 – 9:45: How a telescope sees What makes a telescope work? How does it compare to the human eye? What can you see with it and why? How to build a simple telescope in less than 5 minutes by Johan Smit ASSA Pretoria</p> <p>10:30 – 11:15: Fingerprinting the Universe Where light comes from, what it is and how scientists use it to make discoveries by Case Rijdsdijk, ASSA Education and Public Communication Section Director</p> <p>11:45 – 12:30: The CHEETAH-1 CSLV “Commercial Satellite Launch Vehicle” - Design, Manufacture, Development and Testing of South Africa's first fully commercial Satellite Launch Vehicle by Mark Comminos - MD MARCOM Aeronautics & Space</p> | <p>10:00 – 11:00 SCIENCE SHOW by Experilab</p> <p>12:00 – 13:00 SCIENCE SHOW by Experilab</p> | <p>10 – 11:30: How to See the Deep Sky by Auke Slotegraaf, ASSA Deep Sky Observing Section Director.</p> <p>A practical workshop with exercises to help you get the most out of your telescope time by learning how to see, instead of just looking. Please bring pen/pencil and paper (white or ruled). Auke will hand out a one-page checklist that they will use while doing the exercises. Prerequisites: No previous experience with deepsky observing needed - just a keen interest in looking at the universe beyond the solar system.</p> <p>11.40 – 12:00: Capturing the Universe on Paper by Magda Streicher, ASSA President. A step-by-step guide to making visual recordings of deepsky objects.</p> |
| <p>13:00 - 13:45 Opening by SAASTA and Announcements of Awards: Amateur Telescope Making and AstroPhoto</p> | | |
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| <p>14:00 – 14:40: Polar Space Weather and International Polar Year - What's up at SANAE down in Antarctica! by Dr Pierre Cilliers of Hermanus Magnetic Observatory</p> <p>15:00 - 15:50 Key note talk: "Shrouds of the Night" by Prof David Block</p> <p>17:00 – 18:00: Documentary video on 2007-2008 Summer expedition to Antarctica - courtesy of the NRF</p> | <p>14:00 – 15:00 SCIENCE SHOW by Experilab</p> <p>16:00 – 17:00 SCIENCE SHOW by Experilab</p> | <p>14:00 – 14:40: Intro to AstroPhotography - A lecture covering the range of modern imaging equipment and accessories available to amateur astronomy and how to use various types of cameras and techniques for producing planetary and deep sky images with emphasis on available image processing software by Oleg Toumilovitch, ASSA National Imaging Section Director</p> <p>16:00 – 16:40 Differential Photometry using AIP4WIN by Chris Middleton, ASSA Double Stars Section Director</p> |
| <p>6pm What's Up in the Sky by Chris Middleton on the lawn – weather permitting - else in the Auditorium From 6pm – 9pm: STAR PARTY Bring a picnic to enjoy on the lawns and tour the night sky</p> | | |

ATM (AMATEUR TELESCOPE MAKING) EXHIBITS

Bring your home built telescopes and accessories for display and for consideration for an ATM Award

Entries for the ATM Competition to be submitted to the ASSA Help Desk before 11am

ASTROPHOTO EXHIBITS RULES AND GUIDELINES

Entries will be displayed at the Auditorium entrance

Submit entries for the AstroPhoto Competition to the ASSA Help Desk before **11am**

Common rules:

The photographs must be related to Astronomy;

Both conventional and digital photographs will be accepted;

Entries should be printed and mounted on lightweight white board. (Prints only: Slides and electronic submissions will not be accepted)

The following details should be supplied as a caption:

Title/subject, aperture, shutter speed, film and speed, type of camera, lens, filters, mounting (prime focus, piggy-back, barndoor), any other details you feel are appropriate

You are most welcome to include a short description about the object/s in your photo

Do not put your name on the caption:

For purposes of judging, entries will be assigned just a number.

The name and contact details will be held separately by the AstroPhoto /ScopeX designated person until the winners have been announced and will then be placed on the photos.

Previous prize-winning entries may be displayed but may not be entered into the competition.