

PROGRAM

Thursday, August 23

14:00 – 15:30 (slot 3)

16:00 – 18:00 (slot 4)

14:00 – 14:30 **Rosa M. Ros:** *General report of the IAU C46 for 2010-2012*

14:30 – 14:50 **Kam Ching Leung:** *Report PG ISYA for 2010-2012*

14:50 – 15:10 **Ed Guinan:** *Report PG Teaching Astronomy for Development*

15:10 – 15:30 **Jay Pasachoff:** *Report PG Solar Eclipses and Transits*

16:00 – 16:20 **John Hearnshaw:** *Report PG World-Wide Development of A.*

16:20 – 16:40 **Rosa M. Ros:** *Report PG Network for Astronomy School Educ.*

16:40 – 17:10 **Kevin Govender:** *OAD and C46 future projects , 30 min*

17:10 – 18:00 **Nomination of C46 President and Vice-president and Election of OC Discussion: 50 min**

IAU COMMISSION 46

Astronomy Education & Development

Report 2010 - 2012

President: Rosa M. Ros

<http://www.iaucomm46.org>

C46 is a Commission of the Executive Committee of the IAU

under Division XII Union-Wide Activities

Present status

It seeks to further the development and improvement of astronomy education and research at all levels worldwide (through the various projects it initiates),

- maintains,
- develops, as well as
- through the dissemination of information concerning astronomy education at all levels

Division XII Commission 46 Astronomy Education & Development

President

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Last updated:
 September 12, 2011

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Last updated:
 August 25, 2011

Organizing Committee

Jean-Pierre de Greve
 Beatriz Sierra Garcia
 Edward F. Guinan
 Hans J. Haubold
 Bernie W. Jones
 Laurence A. Maraschall
 George K. Niley
 Jay M. Pasachoff
 Magda G. Stavinich

Commission Web Page

Commission Members (332)

Under Division

Search Scientific Bodies

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XXVIII General Assembly
 20-31 August, 2012
 Beijing, China

IAU Office of
 Astronomy for
 Development



THE UNIVERSE
 YOURS TO DISCOVER



CAP journal
 Communicating Astronomy

XXVIII IAU GA

- Scientific programme & business meetings
- Special Events
- Grants for IAU XXVIII GA

SCIENCE

- News
- Scientific Dates & Deadlines
- Scientific Bodies
 - Divisions
 - Commissions
 - Working Groups
 - Program Groups
 - Committees
 - Centres
- Scientific Meetings
- Publications

EDUCATION AND CAPACITY BUILDING

- Commission 46
- Co-Sponsored Meetings
- Office of Astronomy for Development

GRANTS & PRIZES

- IAU Grants
- IAU & The Gruber Foundation
- IAU, NASA, and the Kavli Prize

ADMINISTRATION

- Administrative Dates & Deadlines
- IAU Membership
- General Assembly & Administrative Meetings
- Resolutions
- IAU Executive Bodies
- IAU Secretariat
- Statutes & Rules
- Collaborative Programs

ASTRONOMY FOR THE PUBLIC

- Careers in Astronomy
- Defining our Place in Cosmos
- The Constellations
- Links & References

New web site from January 2010

<http://www.iaucomm46.org/>



The header features a dark blue background with a glowing star and orbital lines. On the left is a detailed image of Earth with white orbital paths. On the right, the text 'IAU COMMISSION 46' is displayed in white, with 'Astronomy Education and Development' below it. To the right of the text is the IAU logo, which consists of the letters 'IAU' in a stylized font with vertical bars through them, all enclosed in a white rectangular box.

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Commission 46 is a Committee of the Executive Committee of the IAU. Commission 46 seeks to further the development and improvement of astronomical education at all levels throughout the world through various projects initiated, maintained, and to be developed by the Commission and by disseminating information concerning astronomy education at all levels.

If you are a member of the IAU, and have an interest in astronomy education and development, you should join Commission 46 by emailing the C46 President Rosa Ros at ros@ma4.upc.edu. You can see on this website the various activities (Program Groups, PGs) that you could, if you wish, become involved in. Once we have your email address you will get notification of when the next Newsletter is available, and any other information that needs to be sent out.

Overview: [▶ English](#) [▶ French](#) [▶ Spanish](#)

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<http://www.iaucomm46.org/>



IAU COMMISSION 46
Astronomy Education
and Development



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PG International Schools for Young Astronomers
PG for Teaching Astronomy for Development - TAD
PG for Network for Astronomy School Education – NASE
PG for Collaborative Programs – CP
PG for Commission Newsletter & National Liaisons – CNNL
PG for Public Understanding at the Times of Solar Eclipses and Transits Phenomena-PUTSE

Home page Contact Created by Antares

<http://www.iaucomm46.org/>



IAU COMMISSION 46
Astronomy Education
and Development



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NEWSLETTERS

NEWSLETTERS

13 APRIL 2012 NEWSLETTER 76

Editorial

The Editor is to retire

Message from the President

The Galileoscope
A different pathway to the stars – the Czech network of public observatories
The 05 June 2012 Transit of Venus
IAU Office of Astronomy for Development (OAD) update

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•- Organizing Committee

•- 332 Members

•- Program Groups PG

ORGANIZING COMMITTEE 2010-2012

Officers

President: **Rosa M. Ros** (Spain)

Vice-President: **John Hearnshaw** (New Zealand)

Retiring President: **Magda Stavinschi** (Romania)

OC Members

•PG for the *Worldwide Development of Astronomy* WWDA
chair: John Hearnshaw

•PG for *Teaching Astronomy for Development* TAD
chair: Edward Guinan and Laurence A. Marshall

•PG for *International Schools for Young Astronomers* ISYA
chair: Jean-Pierre de Greve

•PG for *Network for Astronomy School Education* NASE
chair: Rosa M. Ros and Beatriz García

•PG for *Public Understanding at the times of Solar Eclipses and
Transit Phenomena* PUTSE
chair: Jay Pasachoff

•PG for *National Liaison and Newsletter*
chair: Barrie Jones

•PG for *Collaborative Programs*
chair: Hans Haubold

Vice-president of IAU
George Miley

Past president Comm. 46
Magda Stavinschi

PG for the World-Wide Development of Astronomy (WWDA)

Chair: **John Hearnshaw**

- Task: to visit countries with some astronomy expertise at tertiary (i.e. post high school) level, which are probably not IAU member states, but which would welcome some development of their capabilities in teaching and/or research in astronomy
- One key target: to foster astronomy development in the 19 nations which currently have individual IAU members but which do not adhere to IAU

PG for the World-Wide Development of Astronomy (WWDA)

Chair: John Hearnshaw

PGWWDA visits since IAU GA in Rio

2009: Paraguay

2010: Senegal, Tajikistan, Panama, Costa Rica, Ghana,
Ethiopia, Philippines

2011: Brunei, Nicaragua, Guatemala, Kazakhstan, Bolivia,
Colombia, Fiji, Nepal

2012: Tunisia, Algeria. Possible future visits: Myanmar,
Jamaica, Suriname, Guyana

PG for Teaching Astronomy for Development (TAD)

Co-chairs: **Edward Guinan & Laurence Marschall**

TAD wants to enhance the astronomy in a country with currently underdeveloped astronomy education or its astronomy research infrastructure in support of education.

TAD operates on the basis of a proposal from a professional astronomy organization or on the basis of a contract between the IAU & an academic or governmental institution, usually a university.

PG for Teaching Astronomy for Development (TAD)

Co-chairs: **Edward Guinan & Laurence Marschall**

2009: North Korea, Bolivia, East Africa Astronomy Workshop (Kenya), Palestine (West Bank/ Gaza)

2010: Burkina Faso (with NASE), Nicaragua, Senegal (with PGWWDA), Rwanda

2011: Ethiopia, Vietnam, Mauritius, Palestine (Gaza)

2012: East Africa Astronomy Workshop (Uganda, Nov 2012), Uganda, Gaza, Lebanon, DPR Korea, Philippines

PG for Network for Astronomy School Education (NASE)

Chair: **Rosa M. Ros** Vice-chair **Beatriz García**

NASE PG is a program for post-graduates in order to educate new generations of teachers and re-educate the current ones. We work with university professors in order to train future teachers and we cooperate with the departments of education in order to train experienced primary and secondary school teachers. NASE created a basic course for training teachers aiming at:

- 1) teaching astronomy to teachers
- 2) teaching teachers how to teach astronomy

<http://www.iaucomm46.org/content/pg-network-astronomy-school-education-%E2%80%93-nase>

PG for Network for Astronomy School Education (NASE)

Chair: **Rosa M. Ros** Vice-chair **Beatriz García**

2010: Barranquilla (Colombia), Managua (Nicaragua), Lima (Peru), Rosario (Argentina), Cañada de Gómez (Argentina)

2011: Venado Tuerto (Argentina), Rafaela (Argentina), Tegucigalpa (Honduras), Managua (Nicaragua), Panama (Panama), Barranquilla (Colombia), Asunción (Paraguay), Reconquista (Argentina)

2012: Lima (Peru), Managua (Nicaragua), Tegucigalpa (Honduras), Guatemala (Guatemala), Barranquilla (Colombia), Asunción (Paraguay), Nairobi (Kenya), Córdoba (Argentina), Mendoza (Argentina), Montevideo (Uruguay), Panama (Panama)

24 courses in 3 years

PG for International Schools for Young Astronomers (ISYA)

Chair: **Jean-Pierre de Greve** Vice-chair: **Kam-Ching Leung**

Created in the 1960', it is intended to support astronomy in developing countries.

3-weeks schools, for ~30 students at academic levels (BSc => PhD).

There is a wide regional (multi-country) representation of both lecturers and students.

PG for International Schools for Young Astronomers (ISYA)

Chair: **Jean-Pierre de Greve** Vice-chair: **Kam-Ching Leung**

It seeks to broaden the participants' perspective on astronomy through lectures from an international faculty on

- selected astronomy topics,
- seminars,
- practical exercises & observations,
- and exchange of experiences.

2010 – Armenia

2011 – China

2012 – South Africa

PG: Public Understanding at the times of Solar Eclipses and Transit Phenomena PUTSE

Chair: **Jay Pasachoff**

It offers timely advice to countries that will experience a
Solar Eclipses

It also offers advice about Venus and Mercury transits

<http://www.eclipses.info>

It consults with local astronomers and newspapers

PG for Collaborative Programs

Chair: **Hans Haubold**

They interact occasionally, keeping the connection with various international organizations or groups interested in astronomy education from various countries.

It is working on activities co-sponsored by UNESCO, COSPAR, UN, ICSU, EAAE, etc, and interactions with other international organizations, such as the International Dark-Sky Association.

PG for National Liaisons and Newsletters

Chair: **Barrie Jones**

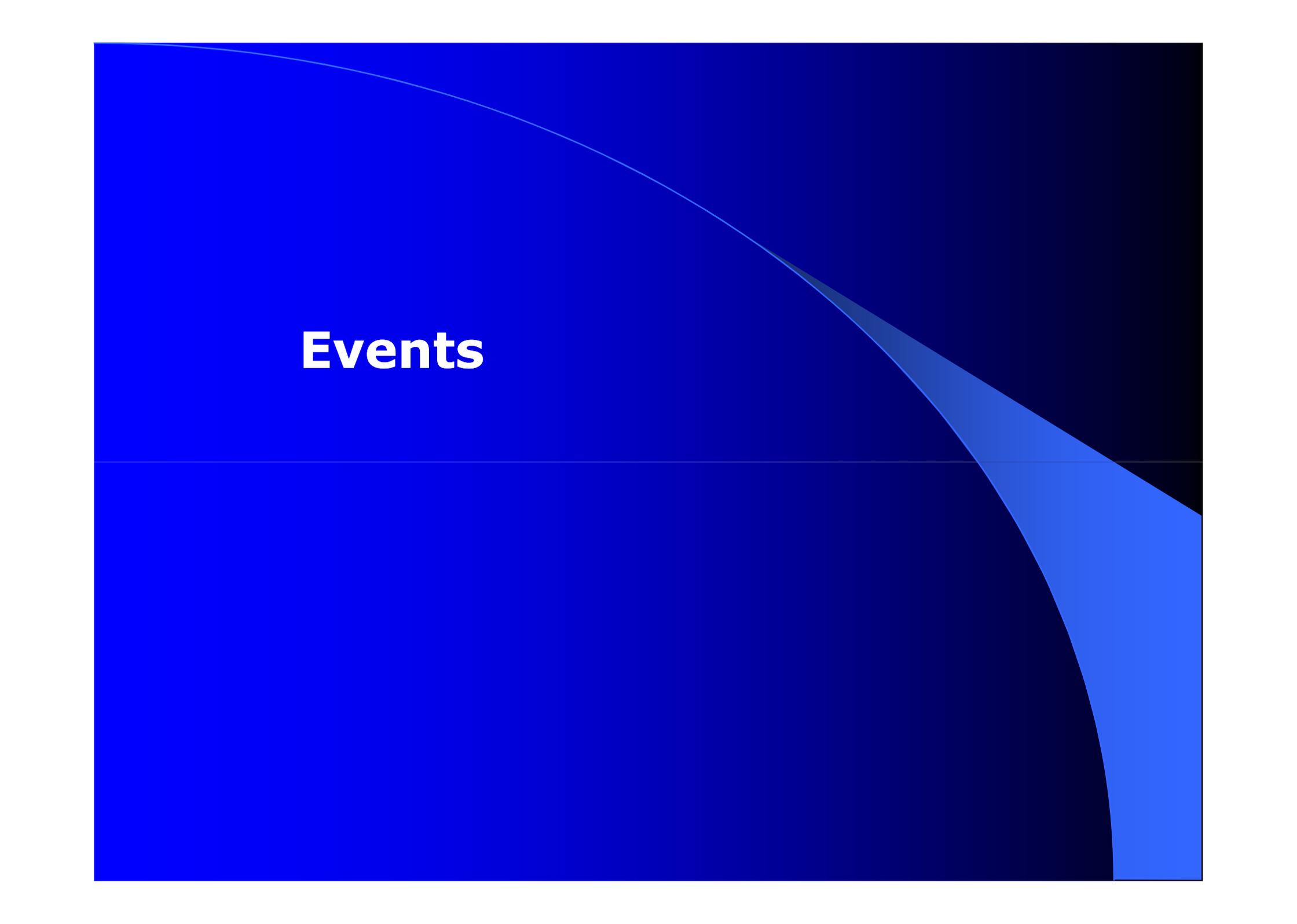
Edited since October 1998.

The Newsletter is published twice a year, now on the website (number 74 last one on April 2012):

<http://www.iaucomm46.org/>

At the end of August the NL reports on Astronomy education since 2009-2011 will be published

This PG also keeps in touch with the national liaisons for education from whom it receives reports and information.

The image features a blue gradient background that transitions from a lighter blue on the left to a darker blue on the right. A thin, light blue curved line starts at the top left and arcs towards the right. The word "Events" is written in a bold, white, sans-serif font in the upper left quadrant. On the right side, there is a vertical strip of a lighter blue color, and a dark blue curved shape is visible in the bottom right corner.

Events

The European Week of Astronomy and Space Science

Lisbon Portugal 6 – 10 September 2010

Special Session 7

Education and Outreach after IYA 2009 in Europe

SOC members:

Ian Robson (UK), Pedro Russo (ESO),
Magda Stavinschi (Romania), Rosa M. Ros (Spain)

14th EAAE-IAU Astronomy Summer School

Varna, Bulgaria, 1 – 5 September 2010

**Teaching Astronomy at the beginning of
the 21st century**



Chairs:

Dr. Veselka Radeva, Dr. Rosa M. Ros

**Astronomical Observatory and Planetarium
“Nicolaus Copernicus”**

15th EAAE-IAU Astronomy Summer School

Heidelberg, Germany, 18 – 20 November 2010

**SOFIA, the flying observatory,
between research and school**



Chairs:

Prof. Alfred Krabbe, Hans Kärcher,
Dr. Olaf Fischer and Dr. Cecilia Scorza

House of Astronomy
Max-Planck-Institut für Astronomie

The European Week of Astronomy and Space Science

St. Petersburg, Russia 4 – 8 July 2011

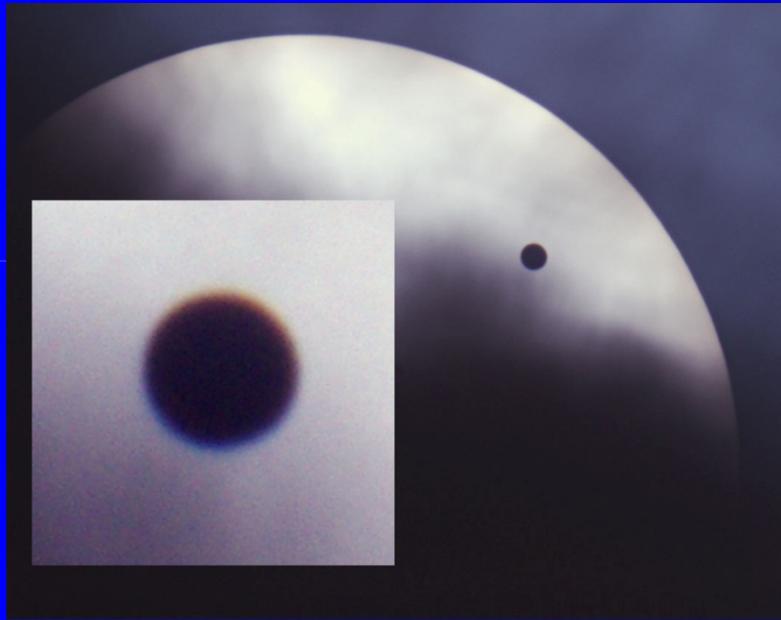
Special Session 8 **Astronomy Education and Outreach in Europe**

SOC members:

Ian Robson (UK), Pedro Russo (ESO),
Magda Stavinschi (Romania), Rosa M. Ros (Spain),
Olga Dluzhnevskaya (Russia)

16th EAAE-IAU Astronomy Summer School

Enontekiö, Finland, 4 – 6 June 2012



Transit of Venus 2012

Chairs:

Ann Charlotte Rydgren,
Irma Hannula, Sakari Ekko

EAAE finish group, Helsinki University

The European Week of Astronomy and Space Science

Lisbon, Portugal 1 - 6 July 2012

Symposium 9 Astronomy Education in Europe

SOC members:

**Magda Stavinschi (Romania), Thierry Fouchet (France),
Livia Giacomini (Italy), Elisa Nichelli (Italy)**

17th EAAE-IAU Astronomy Summer School

Niepolomice, Poland, 2 – 6 July 2012



Polish Summer School

Chairs:
Ludwick Lehman

Youth Astronomical Observatory

OAD Workshop

Cape Town, South Africa 12 – 14 December 2012

**Implementation of the IAU Strategic Plan
“Astronomy for the Developing World”**

Chairs:

George Miley (Netherland), Kevin Govender (South Africa)

**Commission 46 PG, Commission 55
and other IAU endorsed activities (GTTP and UNAWE)**

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IAU GA SPECIAL SESSIONS

IAU General Assembly

Beijing, China, 27 – 28 August 2012

SPS11

IAU Strategic plan and
the Global Office of Astronomy for Development

SOC chairs:

George Miley (Netherlands) & Kevin Govender (South Africa)

SOC members:

George Miley, Khotso Mokhele, Kaz Sekiguchi, Megan Donahue,
Claude Carignan, Patricia Whitelock, Kevin Govender

IAU General Assembly

Beijing, China, 29 - 30 August 2012

SPS17

Light Pollution: Protecting Astronomical Sites and Increasing Global Awareness Education

SOC chairs:

Richard Green (USA), Beatriz García (Argentina),
Constance Walker (USA), Xue Sui Jian (China Nanjing)

SOC members:

Rosa M. Ros (Spain), Zhang Baozhou (China, Beijing), WenJing Jin (China Nanjing),
Stephen Pompea (USA), Elizabeth Alvarez (USA), Russell Cannon (Australia)
David Galadí-Enríquez (Spain), Brijesh Kumar (India), Malcolm Smith (Chile),
Richard Wainscoat (USA), Jay Pasachoff (USA), Edward Guinan (USA),
Mary Kay Hemenway (USA), Michèle Gerbaldi (France), Wim van Driel (France),
Ramotholo Sefako (South Africa)

Nomination

C46 President and Vice-president

- **Election on-line**
- **IAU secretariat informed**
- **President Jean Pierre de Greve (Belgium)**
- **Vice-president Beatriz García (Argentina)**