

DIVISION XI **SPACE & HIGH-ENERGY ASTROPHYSICS**
ASTROPHYSIQUE SPATIALE & DES HAUTES ENERGIES

Division XI connects astronomers using space techniques or particle detectors for an extremely large range of investigations, from *in-situ* studies of bodies in the solar system to orbiting observatories studying the Universe in wavelengths ranging from radio waves to γ -rays, to underground detectors for cosmic neutrino radiation.

PRESIDENT	Haruyuki Okuda
VICE-PRESIDENT	Guenther Hasinger
PAST PRESIDENT	Ganesan Srinivasan
BOARD	Monique D. Arnaud, Sidney A. Bludman, João Braga, Noah Brosch, Leonid I. Gurvitz, Hashima Hasan, George Helou, Ian D. Howarth, Hajime Inoue, Luigi Piro, Ganesan Srinivasan

DIVISION XI COMMISSION

Commission 44 **Space & High-Energy Astrophysics**

DIVISION XI WORKING GROUPS

Division XI WG	Particle Astrophysics
Division XI WG	Astronomy from the Moon

PROCEEDINGS BUSINESS AND SCIENCE MEETING on 17 August 2006

1. Introduction

A business meeting of Division XI / Commission 44 was held during the IAU XXVI General Assembly, Prague, Czech Republic, on August 17, 2006. Chair of the meeting was Prof. Haruyuki Okuda, president of the Division and the Commission 44. Vice-president Prof. Guenther Hasinger was also present.

2. Report of the Business Meeting

At the beginning, a brief report on the scientific activities of the Division in the past period (2003-2006) was given by Prof. Okuda, in which he concluded that the past period was very successful and fruitful in every relevant fields of the Division; UV, X-ray/ γ -ray, optical, IR/sub-millimeter as well as radio regions, having provided a variety of interesting results by the many ongoing missions as well as by newly launched missions, such as *ASTRO-E/Suzaku*, *SIRTF/Spitzer*, and *ASTRO-F/Akari*. The ground-based Cherenkov facilities such as *HESS* and *MAGIC* have started exciting observations of extremely high-energy γ -ray radiation. There are also many challenging missions to be launched in the near future, such as *SOLAR-B* (Sun), *TAUVEX* (UV), *GLAST* (γ -ray), *Herschel/Planck* (IR/sub-mm), and *LISA Pathfinder* (gravitational waves).

After an introductory talk by the president, some discussion took place on the organization matter of the Division. The Division is composed of a wide complement of disciplines

from X-ray/ γ -ray to IR/sub-mm and radio regions. The Division has started from rather technique oriented subjects, such as Space and High-Energy Astrophysics, and thus covers quite a wide range of astronomy, particularly due to the rapid progress of observational technique in IR/sub-mm range. On the other hand, the membership is highly biased towards the high energy community. This situation has introduced some difficulty in arranging scientific activities in the Division, such as proposing and hosting scientific meetings. The problem had been discussed among the Board members and EC members prior to the General Assembly. There had been a variety of opinions and suggestions of possible amendments of the Division, re-definition and restructuring of the Division, e.g., re-unification to High-Energy Astrophysics exclusively, or re-reinforcement of the low energy part by adding a new Commission for IR/sub-mm and radio astronomy. However, it was concluded that the problem is too difficult to be solved in a short time and the issue should be watched continuously in the coming period. This basic attitude has been approved in the business meeting.

3. Working Groups

Two Working Groups, WG *Astronomy from the Moon* and WG *Particle Astrophysics* have been run in the Division.

The former WG has been created for international communication and coordination of the Lunar missions proposed by many countries. Prof. Sallie Baliunas gave a short report on the current status of the Moon Exploration programs. Recently, it has met a new situation by the US campaign of the Moon and the Mars Exploration. It has been decided in the Science Session that the Working Group will be re-organized into a Inter-Division WG including Division IX and X.

The Science Meeting of the WG *Particle Astrophysics* was held, but unfortunately poorly attended and many invited talks were cancelled, only brief reports were given on the current activities of the ground based observations of neutrino and Tev-energy γ -rays. Given this situation, Prof. Reinhard Schlickeiser, the chair of the WG, has proposed a future re-organization of the WG.

4. Board members 2006 - 2009

Taking balance among the fields and reflecting the discussion of the amendment of the Division organization, Prof. Christine Jones was proposed for vice-president and the following board members were proposed by the new and former presidents and agreed in the meeting. All members have been approved in the General Assembly.

President: Guenter Hasinger (BRD). Vice-president: Christine Jones (USA). Board: Joao Braga (Brasil), Noah Brosch (Israel), Thijs de Graauw (the Netherlands), Leonid I. Gurvitz (the Netherlands), George Helou (USA), Ian D. Howarth (UK), Hideyo Kunieda (Japan), Thierry Montmerle (France), Haruyuki Okuda (Japan), Marco Salvati (Italy), and Kulinder P. Singh (India).

Haruyuki Okuda
president of the Division