

**DONATIONS AND SPONSORSHIPS ARE WELCOME. SEE PAGE 8 FOR DETAILS OF HOW YOU CAN CONTRIBUTE.**

The KSS is inviting Sponsorships for the purchasing of a Celestron CPC1100 GPS telescope with an Millancam Video Camera. This telescope is a real masterpiece and from one of the best companies known for its high standards. This will be an advanced system with a very easy to align facility (uses built-in GPS receiver) and can be ready for observation in 5 minutes by a regular user. Even in a light polluted sky, such as in Lahore, an eyepiece can offer great views. But the most impressive thing would be our live video views of galaxies, star clusters, nebulae and solar system objects straight from the astronomical video camera. We can project it on a big screen for public gatherings. The lunar and planetary views promise to be absolutely magnificent.



Umair Asim (Executive Member KSS) with his telescope.

**FOR THE COMPLETE CALENDAR OF OUR YEAR-LONG ACTIVITIES, PLEASE VISIT THE WEBSITE: <http://www.khwarizmi.org>**



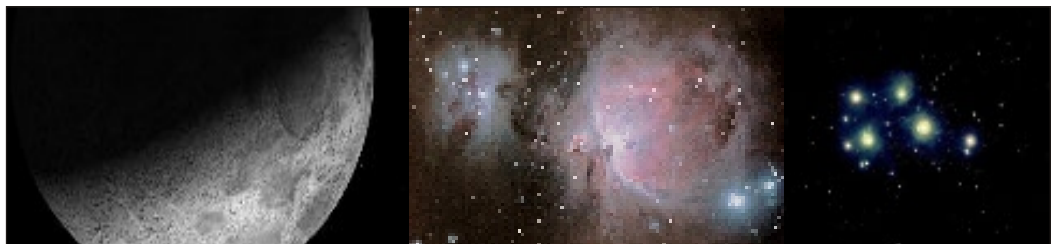
## Khwarizmi Science Society Celebrating the International Year of Astronomy 2009



THE UNIVERSE  
YOURS TO DISCOVER  
INTERNATIONAL YEAR OF  
**ASTRONOMY**  
**2009**

The year 2009 is being marked as the International Year of Astronomy. With the support of international and national agencies, many countries are preparing for this mega celebration of a human understanding of the heavens! This year will commemorate the impact of astronomy and science on human life.

It will help us understand the planet we tread and the forces of nature that shape our collective culture, civilization, thoughts and history. In Pakistan, the Khwarizmi Science Society is also gearing up to be a part of this cosmic saga. We hope that through its public outreach, the KSS can excite young minds, children and teenagers into undertaking careers in science, technology, engineering and medicine. It will help our citizens understand the role of science in their daily lives. The year-long activities will, hopefully, place the national consciousness into a global context, that we all share a common heritage. This over-arching canvas that holds within its folds, the clouds, the stars, the myriad constellations, the wandering planets, the suns and the vast expanse of nothingness, connects us across many ages and many different cultures, races and geographies. We realize that we are part of one whole. And we can transcend the artificial distinctions of race and color.



### Planned Activities

The KSS is arranging "Meet the Skies" sessions in public locations such as parks and open and scenic spaces in suburban localities. We will offer spectacular views of our moon (craters of all sizes, lunar mountain sand their shadows, frozen seas of lava); Saturn with its awe-inspiring rings; storms in the atmosphere of Jupiter with its Galilean Moons; surface features of the red planet (Mars) with its polar ice cap; ever changing phases of Venus and Mercury; clusters containing millions of stars; cloudy nebulae where new stars and solar systems are born; galaxies and island universes. The KSS will organize a field trip to *Baghan Wali*, Pind Dadan Khan, Jhelum District at the site of the ruins of Al-Beruni's observatory. It will also collaborate with local groups and schools in remote villages of Pakistan to organize sky parties and astronomical viewing on their premises. Throughout the year, the KSS will arrange workshops and public lectures in different parts of the country.

**IF YOU WANT THE KSS TO COME TO YOUR SCHOOL, COLLEGE, UNIVERSITY, MUSEUM, TO YOUR PREMISES AND SHOW THE WONDERS OF THE SKIES, PLEASE WRITE TO US.**

#### **SPEAKER**

**Dr Pervez Hoodbhoy**  
Quaid-e-Azam University,  
Islamabad.  
**Dr Asghar Qadir**  
NUST, Rawalpindi.  
**Dr Shaukat Goderya**  
Tarleton State University,  
USA  
**Dr Jameel-un-Nabi**  
GIKI, Topi, NWFP.

#### **TOPIC**

The Usefulness of Extra  
Dimensions of Space-Time  
Black holes and pulsars  
Observational Astronomy  
Stellar Physics

#### **SPEAKER**

**Dr Salman Hameed**  
Hampshire College, USA  
**Umair Asim**  
Farooqi Girls High School,  
Lahore  
**Dr. Amir Iqbal,**  
Washington University, USA  
**Dr. Yusuf Butt,**  
Harvard Smithsonian Centre, USA

#### **TOPIC**

Observational Astronomy  
Observational Astronomy  
Spacetime  
Radio-astronomy