

08	<b>Mr. Ghulam Murtaza</b>	SUPARCO, Karachi	Member
09	<b>Dr. Saqib-ur-Rehman</b>	Department of Mathematics, University of Karachi	Member
10	<b>Dr. Salman Zubair</b>	Department of Geography, University of Karachi	Member
11	<b>Dr. Saifuddin A. Jilani</b>	Department of Physics, University of Karachi	Member
12	<b>Dr. Syed Tanweer Iqbal</b>	Department of Physics, NED University of Engg. & Tech., Karachi	Member
13	<b>Dr. Muhammad Ali</b>	Sindh Madressatul Islam University, Karachi	Member
14	<b>Dr. Akbar Ali Jilani</b>	NJV College, Karachi	Member
15	<b>Mr. Fayyaz-ur-Rasheed</b>	ISPA University of Karachi	Member
16	<b>Mr. M. Anas Qureshi</b>	ISPA University of Karachi	Member
17	<b>Mr. M. Ashiq Mughal</b>	ISPA University of Karachi	Member
18	<b>Mr. Syed M. Haroon Rashid</b>	ISPA University of Karachi	Member
19	<b>Mr. Farooque Ahmed Abro</b>	ISPA University of Karachi	Member

### ADVISORY COMMITTEE

S. No.	Members Name	Institution / Organization
01	<b>Prof. Dr. Jawaid Quamar</b>	Iqra University, Karachi
02	<b>Mr. Imran Iqbal</b>	Member, Space & Research Applications, SUPARCO, Karachi
03	<b>Prof. Dr. Syed Jamil H. Kazmi</b>	Department of Geography, University of Karachi

04	<b>Prof. Dr. Badar M. Khan Ghauri</b>	Institute of Space Technology, Karachi
05	<b>Prof. Dr. Tariq Masood A. Khan</b>	Institute of Environmental Studies University of Karachi

### SCIENTIFIC COMMITTEE

S. No.	Members Name	Institution / Organization
01	<b>Prof. Dr. M. Rashid Kamal Ansari (Chair)</b>	Sir Syed University of Engg. & Technology, Karachi
02	<b>Prof. Dr. M. Ayub Khan Yousufzai</b>	ISPA University of Karachi
03	<b>Prof. Dr. M. Arif Hussain</b>	Mohammad Ali Jinnah University, Karachi
04	<b>Dr. Zaheeruddin</b>	Department of Physics, University of Karachi
05	<b>Dr. Intikhab Ulfat</b>	Department of Physics, University of Karachi

### IMPORTANT DATES

Deadline for submission of Abstracts: **Sep. 17, 2016**  
**Extended Deadline Abstracts submissions: Sep. 24, 2016**  
 Acceptance of Abstracts: **Sep. 30, 2016**  
 Last date for Early Bird Registration: **Sep. 17, 2016**  
 Last date for Standard Registration: **Oct. 05, 2016**  
**(No Onsite Registration)**  
 Venue: **Arts Auditorium, University of Karachi**



## 4<sup>TH</sup> NATIONAL CONFERENCE ON SPACE SCIENCE & TECHNOLOGY (NCSST-2016)

**WORLD SPACE WEEK 2016**

**“Frontiers of Space Science & Applications”**

**October 7-9, 2016**



**Organized by**  
**INSTITUTE OF SPACE AND PLANETARY**  
**ASTROPHYSICS (ISPA)**  
**UNIVERSITY OF KARACHI**  
**KARACHI, PAKISTAN**

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## About ISPA, University of Karachi

Education and Research in Space Science and technology is a prime commitment of the Institute of Space and Planetary Astrophysics (ISPA), University of Karachi. The allied objective of the institute is to carry out basic and applied research in the fields of Space Science & Technology. Currently ISPA is expanding its curricula to the fields like Cosmology, Astrophysical plasma, Computational astrophysics, Radio astronomy and other allied fields of study. Its degree programs for B.Sc. M.Sc., M.Phil. & Ph.D. has been designed in the framework of Pakistan's Space Vision 2040 program. From its advent in 1994, ISPA has produced quality research work in diversified areas such as Ozone Depletion, Climate variability, Flood Risk assessment & Tsunami, Aerosol variability, Galactic Astronomy, Visibility of the crescent moon, Space Weather and related Earthquake studies.

### 1<sup>st</sup> National Conference on Space Science, 2012

The First National Conference on Space Science was organized by the Institute of Space and Planetary Astrophysics (ISPA), University of Karachi with the theme "Space for Human Safety and Security", on October 8-9, 2012. Total 36 research papers were presented at the Conference.

### 2<sup>nd</sup> National Conference on Space Science, 2013

The Second National Conference on Space Science was organized by the Institute of Space and Planetary Astrophysics (ISPA), University of Karachi with the theme "Exploring the Universe", on October 7-8, 2013. Total 59 research papers were presented at the Conference.

### 3<sup>rd</sup> National Conference on Space Science & Tech., 2015

The Second National Conference on Space Science & Tech. was organized by the Institute of Space and Planetary Astrophysics (ISPA), University of Karachi with the theme "Deep Space Discoveries", on October 5-6, 2015. Total 50 research papers were presented at the Conference.

### 4<sup>th</sup> National Conference on Space Science & Tec., 2016 THEME & OBJECTIVES

The Institute of Space and Planetary Astrophysics, University of Karachi is organizing the Fourth National Conference on Space Science & Technology on October 7-9, 2016. This conference is being organized in collaboration with SUPARCO & HEC. This conference will also be a contribution towards the World Space Week 2016. The

main theme of the conference is "Frontiers of Space Science & Applications". The objective of the Conference is to provide a forum for discussion and implementation of the Space Science in Pakistan. The aim of the Conference is to provide senior and young scientists with a possibility to communicate and present their scientific work in the fields of Space Science & Technology.

### CONFERENCE TOPICS

- Astronomy / Radio Astronomy
- Astrophysics
- Computational Astrophysics
- Cosmology
- Satellite Communication / GNSS
- Space Antennas
- Space Technology & Industry
- Flight Dynamics / Aerodynamics
- Space Plasma
- Remote Sensing & GIS
- Climate Change
- Solar System & Extrasolar Planets
- Space-Biology
- Planetary Atmospheric Sciences
- Climatology & Meteorology
- Renewable Energy
- Environmental Sciences / Natural Hazards
- Physical Oceanography

### CALL FOR PAPERS

Participants should submit an abstract of one page or maximum 500 words, including topic, key words, e-mail address, address of the institute, methodology and results, by **September 17, 2016**.

### INVITED GUEST SPEAKERS

S. No.	Resource Persons Name	Institution / Organization
01	<b>Prof. Dr. Asghar Qadir (S.I., H.I)</b>	School of Natural Sciences, NUST, Islamabad
02	<b>Prof. Dr. Ghulam Murtaza</b>	Department of Physics, GC University, Lahore
03	<b>Prof. Dr. M. Sharif (T.I)</b>	Department of Mathematics, University of Punjab, Lahore
04	<b>Prof. Dr. Hamid Saleem</b>	Department of Space Science, Institute of Space Technology, Islamabad

05	<b>Prof. Dr. Haleem Zaman Magsi</b>	Department of Earth Sciences, Karakoram International University, Gilgit
06	<b>Dr. Khan Alam</b>	Institute of Physics & Electronics, University of Peshawar, Peshawar
07	<b>Dr. Gulzar Khan</b>	Department of Physics, Abdul Wali Khan University, Mardan, KPK
08	<b>Dr. Amna Mir</b>	Department of Physics, COMSATS Institute of Information Technology, Lahore
09	<b>Dr. Safia Zahid</b>	Center for Climate Research & Development, COMSATS Institute of Information Technology, Islamabad
10	<b>Dr. Zahida Ehsan</b>	Department of Physics, COMSATS Institute of Information Technology, Lahore
11	<b>Prof. Dr. M. Ayub Khan Yousufzai</b>	ISPA University of Karachi
12	<b>Prof. Dr. Syed Jamil H. Kazmi</b>	Department of Geography, University of Karachi
13	<b>Dr. Syed Nazeer Alam</b>	PNEC, NUST, Karachi

### CONFERENCE SECRETARIAT

S. No.	Members Name	Institution / Organization	Designation
01	<b>Prof. Dr. Muhammad Qaiser</b>	Vice Chancellor, University of Karachi	Patron In-Chief
02	<b>Prof. Dr. Syed Affrozuddin Ahmed</b>	Dean, Faculty of Science, University of Karachi	Chairman
03	<b>Prof. Dr. Muhammad Jawed Iqbal</b>	Director, ISPA, University of Karachi	Convener / Principal Organizer
04	<b>Prof. Dr. Muhammad Shahid Qureshi</b>	ISPA University of Karachi	Deputy Convener
05	<b>Dr. Mirza Jawwad Baig</b>	ISPA University of Karachi	Secretary
06	<b>Mr. Faisal Ahmed Khan Afridi</b>	ISPA University of Karachi	Joint Secretary
07	<b>Mr. Syed Faisal-ur-Rehman</b>	ISPA University of Karachi	Assistant Secretary