

Presentation

On

Progress of

IEEE/AESS/GRSS|Islamabad Section

By

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Regional Director IEEE/AESS

(Pakistan, Turkey and Middle East)

BACKGROUND

IEEE/AESS/GRSS



BACKGROUND IEEE/AESS/GRSS

- The Institute of Electrical and Electronic Engineers (IEEE) is a global, non-profit, world's leading professional association for the advancement of technology, headquartered in the United States of America
- More than 370,000 members, including more than 80,000 students, in over 160 countries, rely on the IEEE as a source of technical and professional information, resources and services
- Among other societies of IEEE, Aerospace and Electronic Systems Society (AESS) and Geoscience and Remote Sensing Society (GRSS) are most relevant to the Institute of Geographical Information Systems (IGIS) and Technology Incubation Center (TIC), two constituent colleges of the National University of Sciences and Technology (NUST)

BACKGROUND IEEE/AESS/GRSS

- In a special meeting of IEEE-Islamabad Section on 24th Dec, 2005 at IGIS, chaired by Air Cdre (R) Mansoor Malik, Chairman IEEE- Islamabad Section, and attended by Dr. Zafar Taqvi, Member IEEE/AESS Board of Governors, USA, it was decided to form a joint chapter of AESS-GRSS within the IEEE Islamabad Section
- A formal Joint Chapter petition was filed on 22 March 2006, which was approved in August of 2006



BACKGROUND IEEE/AESS/GRSS

- Based on the limited available opportunities and resources to the scientists and professionals in our part of the world, it was encouraging to have a platform to expand the circle of activities to further the development of the scientific community.
- AESS/GRSS Joint chapter was approved
- During the ICAST- 2006 in September, Eng Mansoor Malik (Chairman IEEE-Islamabad Section) was appointed as Regional Director IEEE/AESS (Pakistan, Middle East and Turkey)



BACKGROUND IEEE/AESS/GRSS

- Flagship Conferences Proposal
 - International Conference under the title of RAST to be held in Turkey in odd years (2007, 2009 and 2011)
 - International Conference under the title ICAST to be held in Pakistan in even years (2006, 2008 and 2010)
- Feeder conferences, mini symposiums, seminars of half day or 1 day to be held in Abu Dhabi, Jordan, Bahrain, Dubai and Saudi Arabia etc

BACKGROUND IEEE/AESS/GRSS

- Flagship Conferences Held
 - RAST-2005 was held in Istanbul on 09-11 June 2005 at Turkish Air Force Academy
 - RAST-2007 was held in Istanbul on 14-16 June 2007
 - ICAST-2006 was held on 2-3 September 2006, at Marriott Hotel, Islamabad
 - Mini-symposiums of half day was held in Dubai, Jordan and Pakistan



1ST INTERNATIONAL
CONFERENCE ON
ADVANCES IN SPACE
TECHNOLOGIES
(ICAST 2006)

1ST INTERNATIONAL CONFERENCE ON ADVANCES IN SPACE TECHNOLOGIES-(ICAST 2006)

- AESS/GRSS organized 1st International Conference on Advance in Space Technologies (ICAST-2006)
 - Theme of the Year “ Space Technologies for Disaster Management & Rehabilitation
 - Over 100 papers were received from Pakistan and abroad out of which 42 were selected

1ST INTERNATIONAL CONFERENCE ON ADVANCES IN SPACE TECHNOLOGIES-(ICAST 2006)

■ Highlights of the Conference

- ICAST as a regular biennial event
- IGIS and IEEE will continue to provide this platform
- Fruitful efforts for establishing “Ground Receiving Station” for MODIS, ASTER, NOAA etc
- Promotion of international exchange of information
- Mini symposiums should be arranged on different topics under the IEEE/AESS/GRSS Joint Chapter



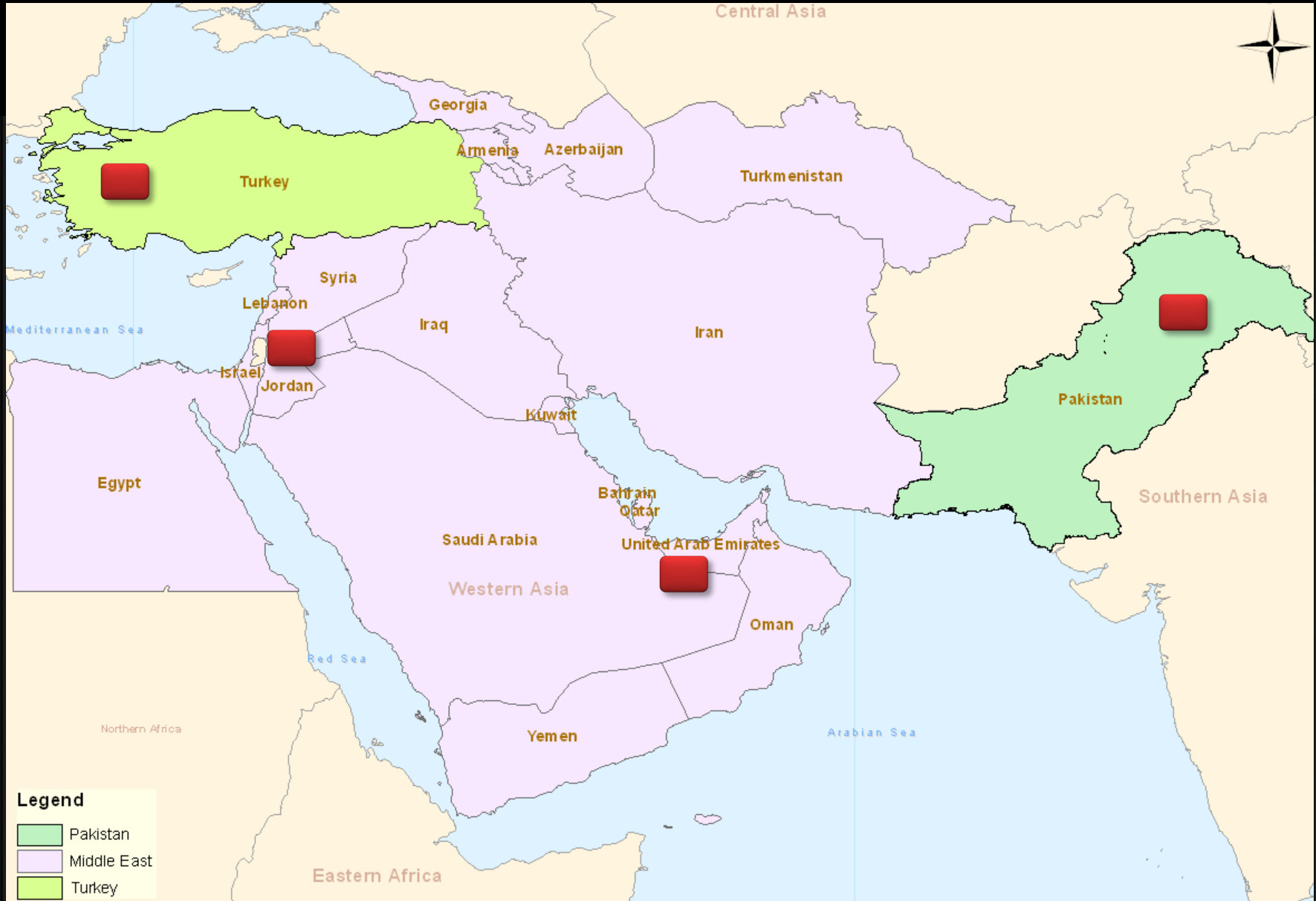
■ Highlights of the Conference

- A National Geo-spatial data infrastructure to be built
- A country wide institutional framework to be laid down for the actions required during disaster management
- Five priority areas have been identified for applications of Geo Information and Space Technologies which are as follows:
 - Disaster Management & Urban Planning
 - Precision Agriculture
 - Environmental Management
 - Water resources Management
 - Public Health

IEEE/AESS/GRSS INTERNATIONAL OPERATIONS

(Pakistan, Turkey & Middle East)

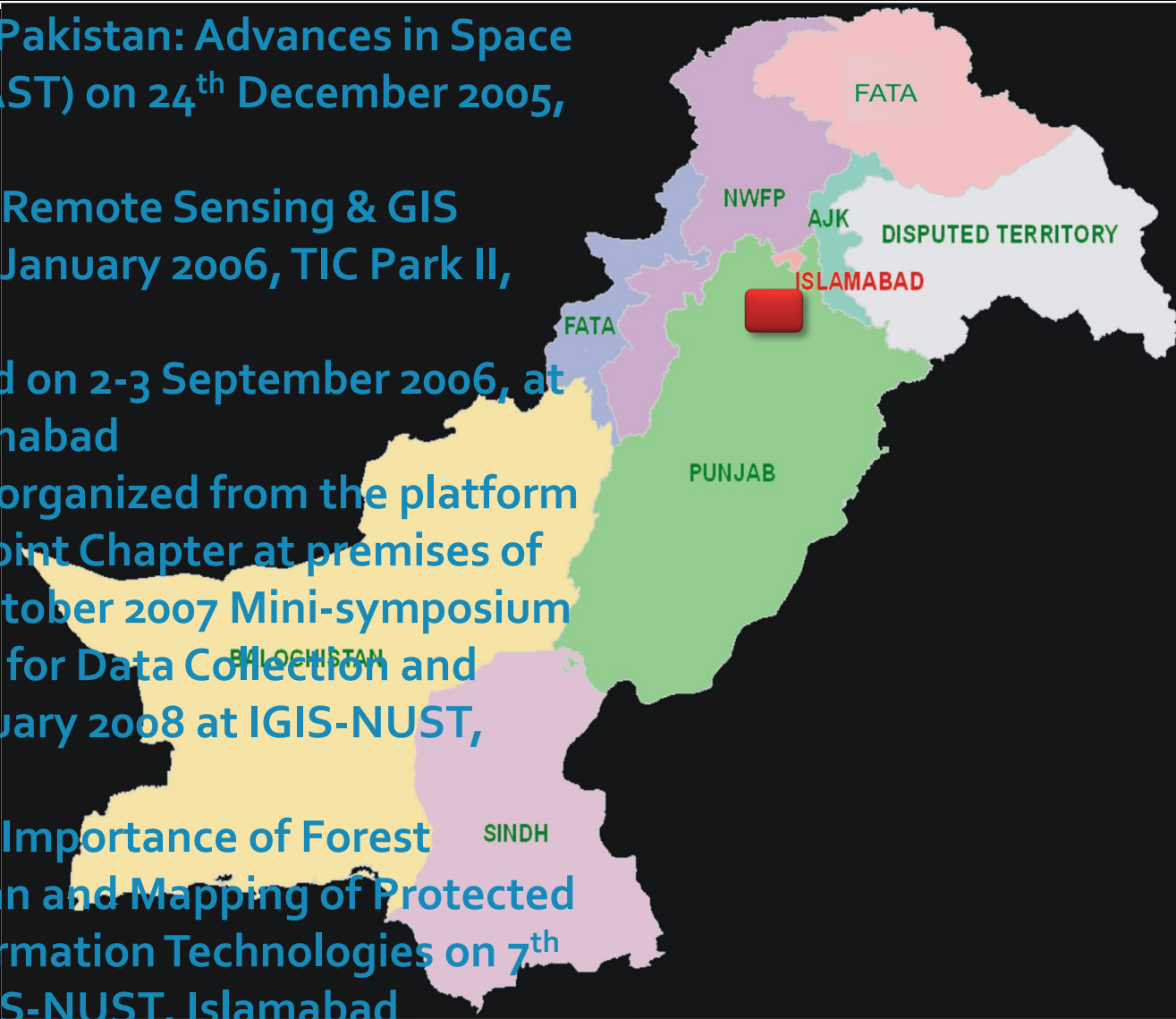
IEEE/AESS/GRSS INTERNATIONAL OPERATIONS (Pakistan, Turkey & Middle East)



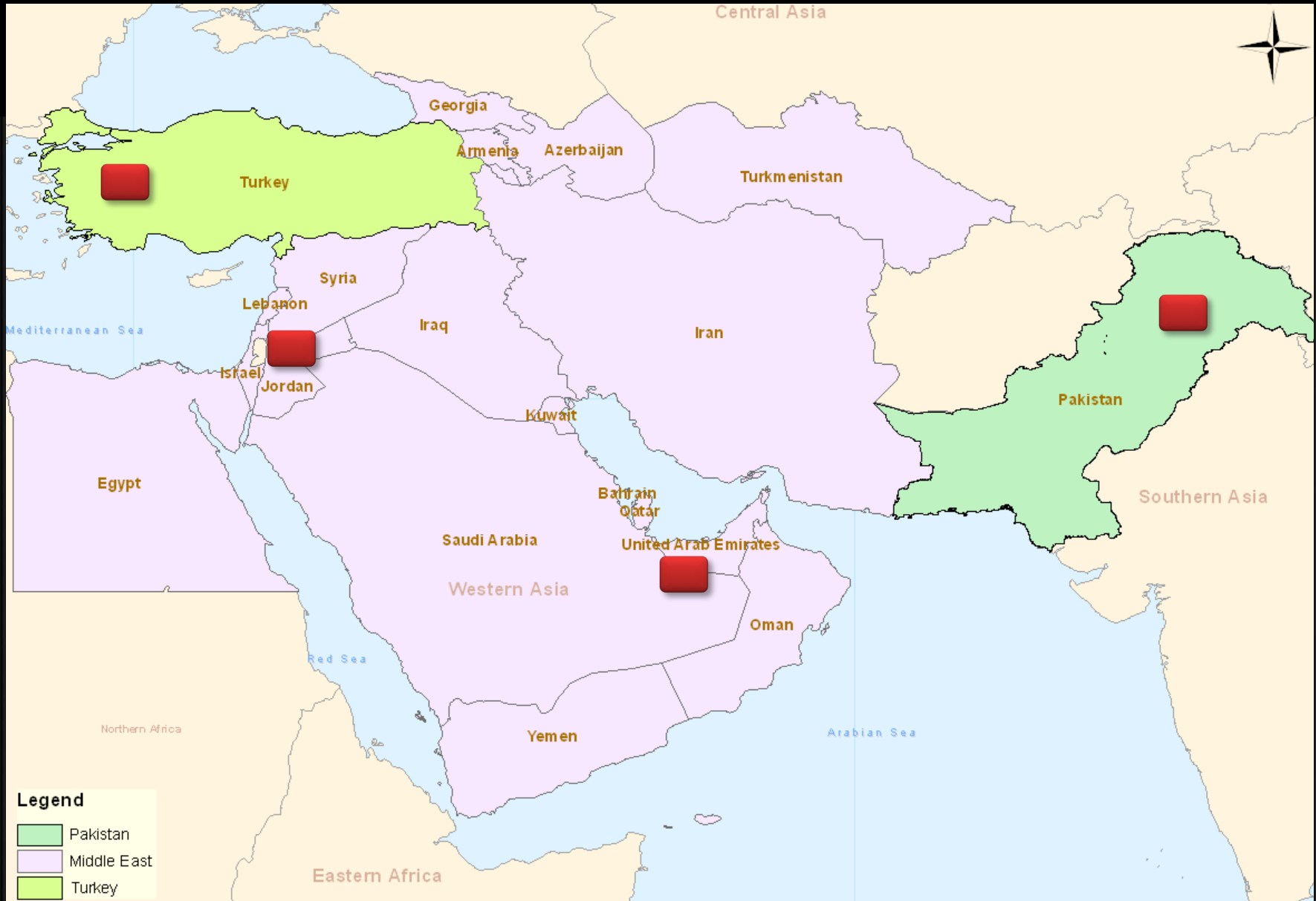
IEEE/AESS International Operations Pakistan

(Since Sep 2006)

- Mini-Symposium in Pakistan: Advances in Space Technologies (Pak-AST) on 24th December 2005, Islamabad
- Mini-symposium on Remote Sensing & GIS Applications on 25th January 2006, TIC Park II, Islamabad
- ICAST-2006 was held on 2-3 September 2006, at Marriott Hotel, Islamabad
- A seminar has been organized from the platform the of AESS/GRSS Joint Chapter at premises of IGIS-NUST in the October 2007 Mini-symposium on GIS Technologies for Data Collection and Analysis on 10th January 2008 at IGIS-NUST, Islamabad
- Mini-symposium on Importance of Forest Resources in Pakistan and Mapping of Protected Area using Geo-Information Technologies on 7th February 2008 at IGIS-NUST, Islamabad



IEEE/AESS/GRSS INTERNATIONAL OPERATIONS (Pakistan, Turkey & Middle East)

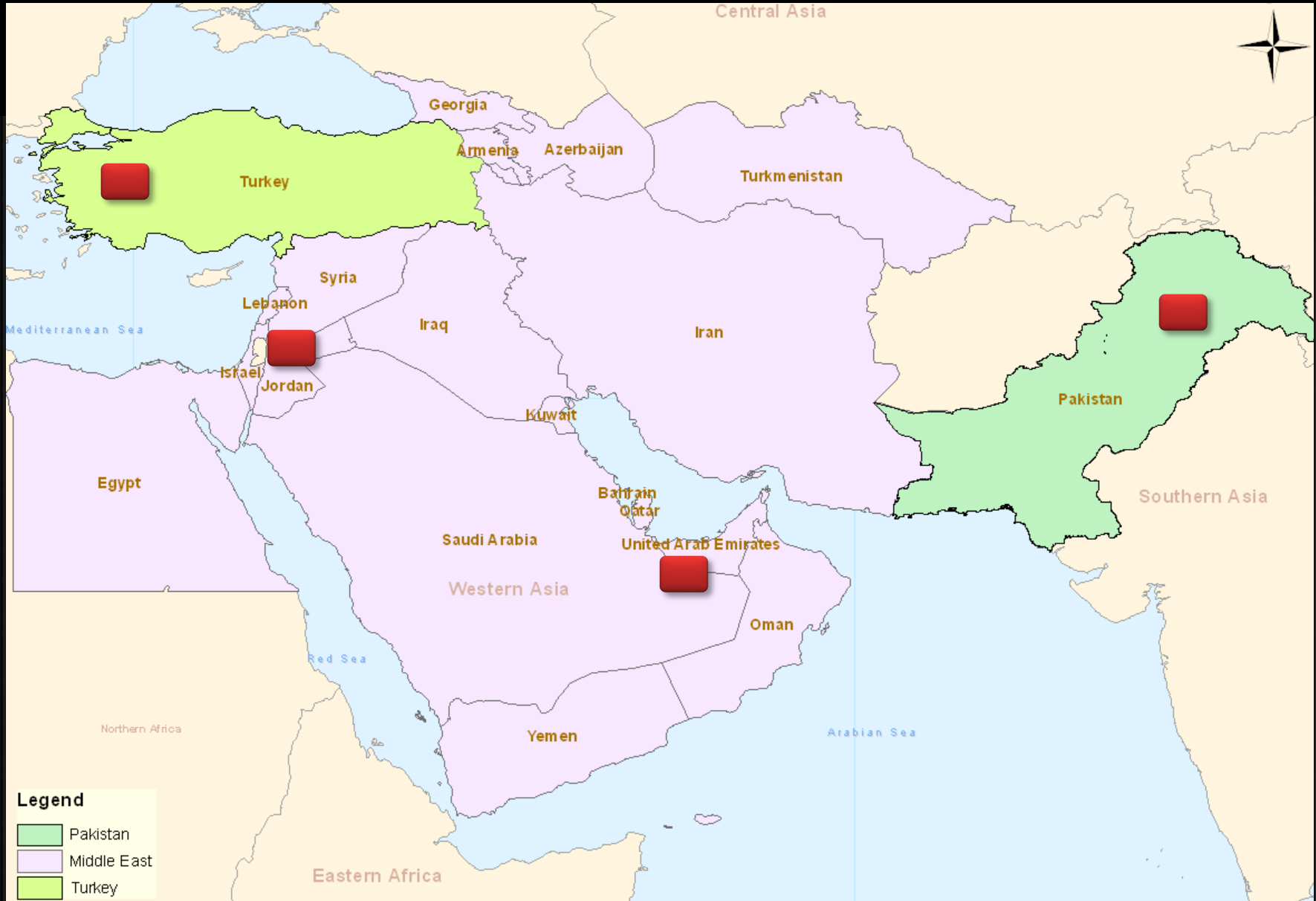


IEEE/AESS International Operations Turkey



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IEEE/AESS/GRSS INTERNATIONAL OPERATIONS (Pakistan, Turkey & Middle East)

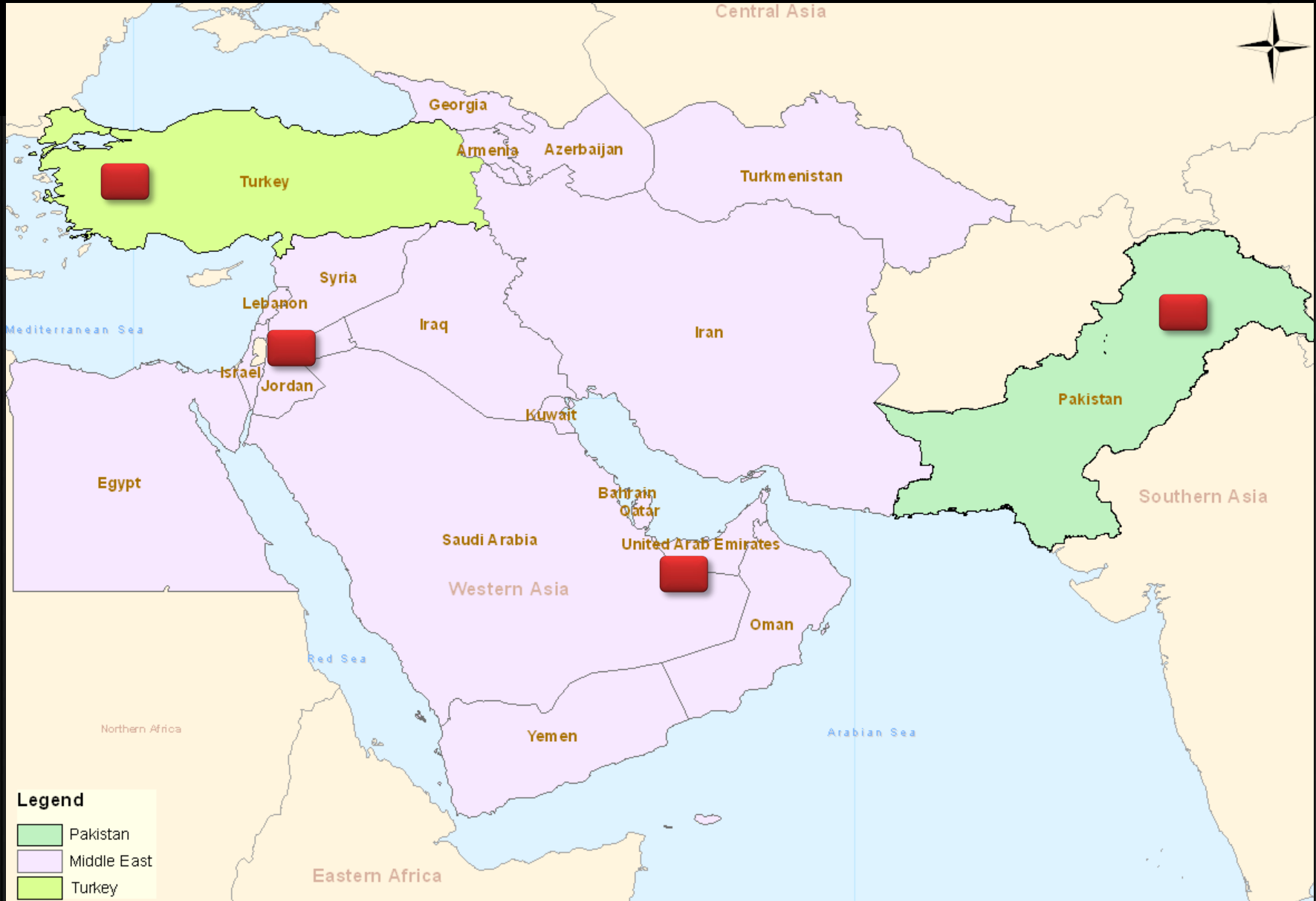


IEEE/AESS International Operations Jordan (2007)

- Mini-symposium at German Jordanian University, Amman, Jordan



IEEE/AESS/GRSS INTERNATIONAL OPERATIONS (Pakistan, Turkey & Middle East)



IEEE/AESS International Operations UAE (2007)

- Mini-symposiums of half day was held in Dubai



IEEE/GRSS-ISLAMABAD
INDEPENDENT
CHAPTER FORMATION

IEEE/GRSS-ISLAMABAD INDEPENDENT CHAPTER FORMATION

- In March 2008 GRSS became an independent chapter
 - 13 members joined GRSS and separated out as an independent chapter
 - Group members are:
 - Dr Umar Khattak (Local Chair GRSS)
 - Dr Raza Mehdi
 - Assistant Prof Mubashir Hussain
 - Azher Malik
 - Mohamad Nawaz
 - Ali Tahir
 - Uzma Rubab
 - Bushra Naseem
 - Aliya GUL
 - Mohammad Irfan
 - Mohammad Adeel
 - Saleem Tariq
 - Abdul Ghaffur

IEEE/AESS-ISLAMABAD INDEPENDENT CHAPTER FORMATION

- Steps are being taken for the formation of AESS-Islamabad independent chapter
 - The members of the society are as follows
 - Gp Capt Tanvir Ahmed (Local Chair AESS)
 - Engr. Mansoor Malik
 - Gp Capt Sikander
 - Air Cdre Habeel
 - Gp Capt Umar Farooq
 - Air Cdre Hafeez-ur-Rehman
 - Majeed Bin Ahsan
 - Amir Habeeb
 - Amir Jilani
 - Prof Azam-ul-asar
 - Dr Mohammad Akbar
 - S/L Meboob Ali
 - W/Cdre Asad Ikram
 - Dr Iftikhar A Khan

PROJECTED ACTIVITIES-2008



PROJECTED ACTIVITIES-2008

- Introducing AESS as independent chapter
- 2nd International Conference on Advances in Space Technologies (ICAST)-2008, November in Collaboration with Air University AND Air Weapons Complex
- It has planned to hold at least 02 each Mini-Symposiums separately from the platforms of AESS and GRSS societies
- Mini-symposium PAC Kamra with Aircraft Manufacturing Factories
- Mini Symposium with SUPARCO-IST at Air University Islamabad

Thank You