

## **Program for Academy-IIA Summer School for NCRA visit during July 2nd to July 6th, 2018**

### **Day 1**

#### **2nd July**

Venue :Lecture Hall, unless otherwise mentioned

9:30-9:40 : Introduction

9:40-9:50 : Welcome by Centre Director

10:00-11:00 : Introduction to Radio astronomy (Jayaram Chengalur)

11:00-11:30 : Tea

12:00-13:00 : Introduction to GMRT: science with GMRT (Dharam Vir Lal)

13:00-14:30 : Lunch

14:30-15:30 : Future of radio Astronomy and SKA (Yashwant Gupta)

### **Day 2**

#### **3rd July**

Visit to GMRT (Starting at 7 AM from NCRA Reception)

10:30-11:00 : Control room visit Santaji Katore

11:00-11:30 : Tea

11:30-12:30 : Talk on "GMRT – a system overview" (Kaushal Buch)

1:30-2:30: Lunch

2:30-3:30 : Showing antenna and CEB

At antenna:

Gaurav Parikh (FE/OFC group)

Suresh Sabhapathy (Servo systems)

At CEB:

Sweta Gupta (Backend group - Rx room)

Kaushal Buch (Backend group - Corr Room)

### **Day 3**

#### **4th July**

10:00-11:00 : Radio Interferometry (Divya Oberoi)

11:00-11:30 : Tea

12:00-13:00 : Introduction to Active Galactic Nucleus (Preeti Kharb)

13:00-14:30 : Lunch

14:30-16:00 : Introduction to RPL experiments (Subhasish Roy)

16:00-16:30 : Tea

**Day 4****5th July**

9:30-11:00 : RPL Sun experiment for 15 students (Subhasish Roy and Jayashree Roy) / General discussion and useful software tools for Radio Astronomy for remaining 14 students (Jayanta Roy)

11:00-11:30 : Tea

12:00-13:00 : Introduction to Clusters of Galaxies (Ruta Kale)

13:00-14:30 : Lunch

14:30-15:30 : Spectral lines in radio (Nissim Kanekar)

**Day 5****6th July**

9:30-11:00 : RPL Sun experiment for 14 students (Subhasish Roy and Jayashree Roy) / General discussion and useful software tools for Radio Astronomy for remaining 15 students (Jayanta Roy)

11:00-11:30 : Tea

11:30-12:30 : Introduction to Gamma-ray bursts (Poonam Chandra)

13:00-14:30 : Lunch

14:30-15:30 : Science with Pulsars (Bhaswati Bhattacharyya)

15:30-16:00 : Conclusion

NCRA Canteen timings for participants:

Breakfast 8 - 9 am (canteen);

Lunch : 1-2 pm (old canteen);

Snacks : 6:6:30 pm (canteen);

Dinner : 7:45-8:45 pm (canteen);

Saturday, Sunday all meals in canteen

Contacts :

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