SKA Activities in China

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29 May 2012

Main Contents
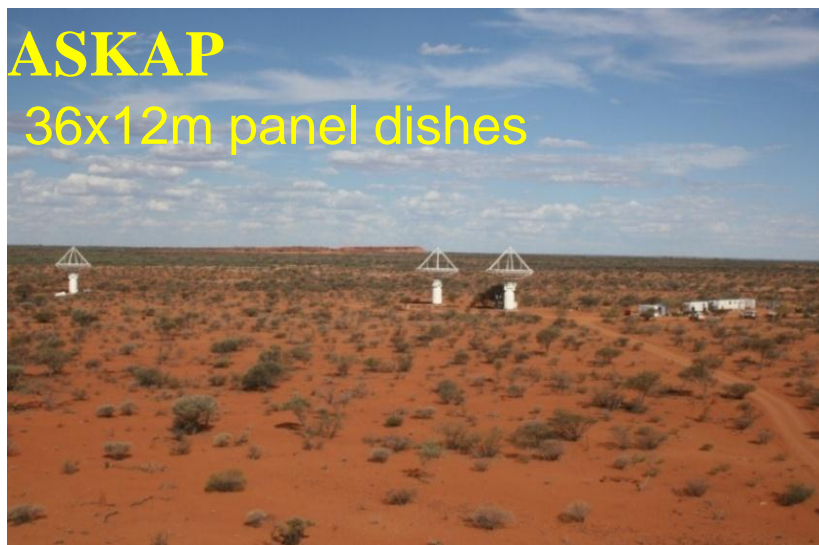
1. SKA Organisation (SKAO) Full Member activities

2. Participate SKA Pre-cursors projects

3. SKA Dish Array WBS(Work Breakdown Structure)and SoW(Statements of Work)

4. SKA preparation discussions between NAOC, JLRAT & CSIRO

5. Key technologies research and development

1. SKAO Full Member activities

- **Meeting of Board of Directors (5 times)**
- **SKA General Meeting of Members (3 April 2012 and 25 May 2012)**
- **Site Selection**

  - ✓ Member of Expert Panel: Assess the candidate sites based on scientific and technical criterias

  - ✓ Member of Site "Options Working Group": Evaluate the possibility of "dual sites" scheme

  - ✓ Voting director for siting

- **SKA Funding Profile**

- Construct 36 12m aperture dishes for ASKAP (Australia)
- Bid for MeerKAT (South Africa)

ASKAP
36x12m panel dishes

MeerKAT

- **Teleconference**

- **WBS/SoW workshop (30 January-3 February,2012, Manchester)**

- **Draft China's Expression of Interest (EoI)**

- Reviewed understanding of Pre-construction phase work (2012 – 2016)
- Discussed the tasks which China has key interest
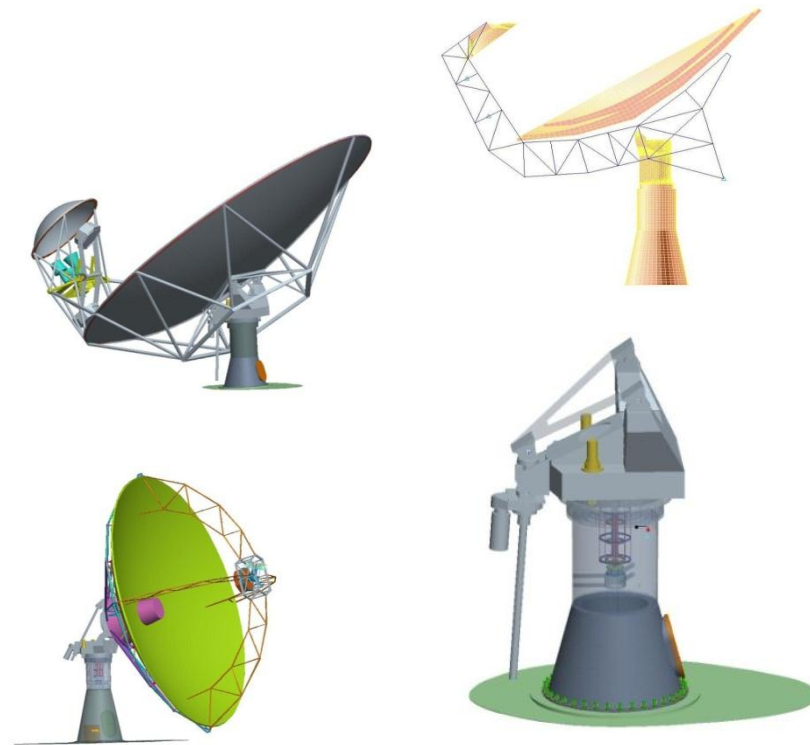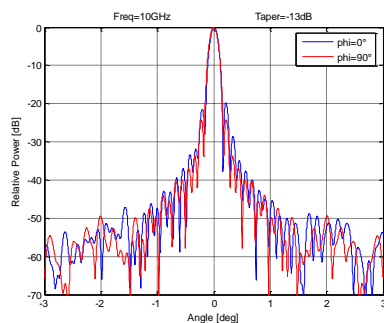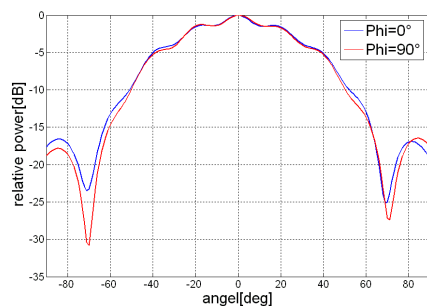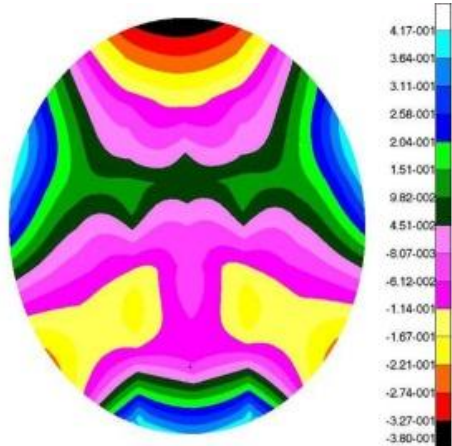- Identified some major concerns

5. Key technologies
research and development

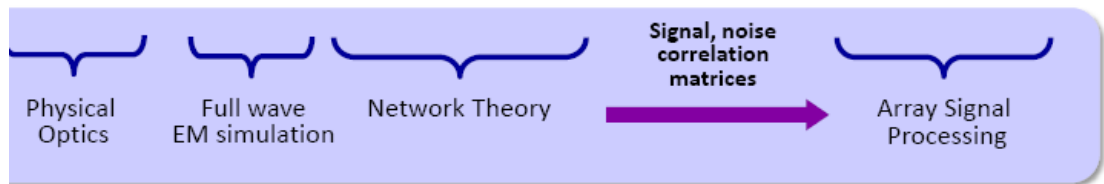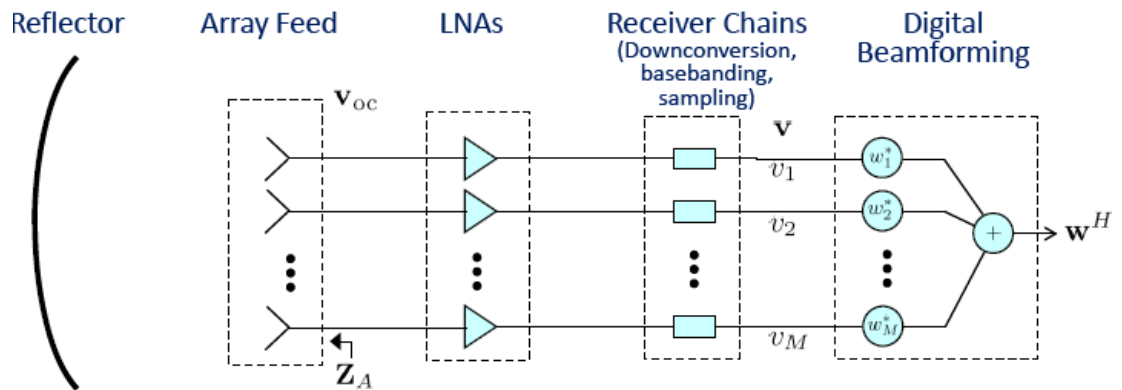- **Dish**
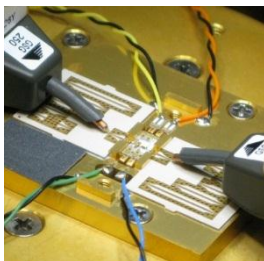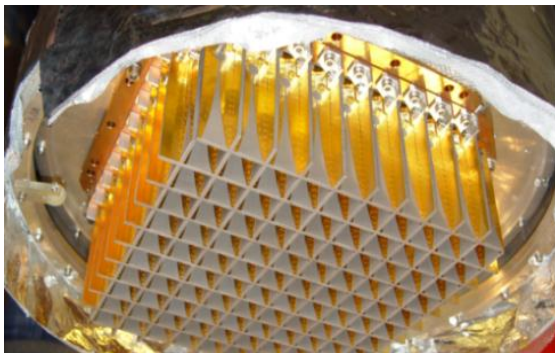
- **Phased Array Feeds(PAF)**

Dish

- **Dish structural design**
- **Optical design**
- **Wide band feeds**
- **Local monitor & Control, Dish Executor**

Phased Array Feeds(PAF)

- PAF for DVAC and other large single dish radio telescope
- Wish to be kept informed on the status of the research

Thank You!

- The Full Members should be divided into two parts: the Host Premiers, including the site host country and the SKAO host country; and the Partner Members, including the remaining Full Members

- 15% of the required funding should be undertaken by the SKAO host country, and at least 25% of the required funding should be undertaken by the site host country

- Each Partner Member's funding contribution rate should be at least 5%, but not exceeding 10%. The Host Premiers, especially the site host country should supplement the lack of funding