



## PROGRAM

10<sup>th</sup> June

08:45 – 09:25 **Registration – *Patio IAA***

### Plenary Sessions – *Salón de Actos*

09:30 – 09:50 **Opening words**

Francisco Cuenca (Mayor of Granada)

Inmaculada Ramos (Director General of Universities, Junta de Andalucía)

Rafael Rodrigo (General Secretary of Scientific Policy Coordination, MICIU)

**Chair: Isabel Márquez**

10:00 – 10:20	<a href="#">The SKA Project</a>	Phil Diamond (Director General of the SKA Organisation)
10:20 – 10:40	<a href="#">The Spanish participation in the SKA</a>	Lourdes Verdes-Montenegro (Coordinator of the Spanish participation in SKA, IAA-CSIC)
10:40 – 11:00	<a href="#">Spanish industry involvement in SKA and prospects for construction</a>	Javier Echávarri (Industrial Liaison Officer for ESO and SKA, CDTI)
11:00 – 11:20	<a href="#">The SKA Science Regional Centres</a>	Susana Sánchez Expósito (IAA- <i>protoSRC</i> Technical leader, IAA-CSIC)

11:20 – 11:55 **Coffee break – *Patio IAA***

**Chair: Enrique Martínez-González**

11:55 – 12:15	<a href="#">“Our Galaxy” SKA Working Group</a>	Rainer Schödel (IAA-CSIC)
12:15 – 12:35	<a href="#">Cosmology and epoch of reionization with the SKA</a>	Diego Herranz Muñoz (IFCA (CSIC-UC))
12:35 – 12:55	<a href="#">Star and planet formation with the SKA</a>	Guillem Anglada (IAA-CSIC)
12:55 – 13:25	Round of questions <ul style="list-style-type: none"> <li>● Phil Diamond (Director General of the SKA Organisation)</li> <li>● Anna Bonaldi (SKA Project Scientist, SKAO)</li> <li>● Inmaculada Figueroa (Deputy Vice-Director General for Internationalisation of Science and Innovation, MICIU)</li> <li>● Lourdes Verdes-Montenegro (Coordinator of the Spanish participation in SKA, IAA-CSIC)</li> </ul>	

13:25 – 14:55 **Lunch – *Patio IAA***



**Chair: José Alberto Rubiño**

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| 14:55 – 15:15 | Beyond science: outreach and diversity at the SKA and why it matters | Mathieu Isidro (Deputy Communications & Outreach Manager, SKAO) |
| 15:15 – 15:35 | Transient studies with the SKA and SKA-VLBI                          | Miguel Pérez-Torres (IAA-CSIC)                                  |
| 15:35 – 15:55 | SKA as a machine to localize Fast Radio Bursts                       | Benito Marcote (Joint Institute for VLBI ERIC (JIVE))           |
| 15:55 – 16:15 | Detecting cosmological magnetic fields with 21 cm line observations  | Kerstin Kunze (Universidad de Salamanca)                        |

**16:15 – 16:35 Coffee break – Patio IAA**

**Chair: Luis F. Rodríguez**

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|---------------|--|---|
| 16:35 – 16:55 | Evolution of galactic magnetic fields in HI defined interaction stages in galaxies.                | Ancor Damas-Segovia (IAA-CSIC)                      |
| 16:55 – 17:15 | Galaxy evolution with SKA: the quest for high frequencies  | Antxón Alberdi (IAA-CSIC)                           |
| 17:15 – 17:35 | Converting data into science: importance and challenges of data processing pipelines for SKA users | Javier Moldón (JBCA / The University of Manchester) |
| 17:35 – 17:55 | Kuiper Belt science with SKA   | Pablo Santos-Sanz (IAA-CSIC)                        |

**18:00 – 19:30 (aprox.) Cocktail at Palacio de Quinta Alegre (walking distance from IAA – 5 min)**



11<sup>th</sup> June

**Plenary Session – *Salón de Actos***

**Chair: Rebecca Azulay**

09:30 – 09:50 [The SKA Data Challenges](#) Anna Bonaldi (SKA Project Scientist, SKAO)

10:00 – 11:00 **Parallel sessions**

**Session 1: Our Galaxy + Planet/Star formation + Our Solar System – *Sala de Juntas Building C***

**Chairs: Rainer Schoedel, Guillem Anglada**

- 10:00 – 10:20 [A deep synoptic radio survey of high-mass precursors in infrared dark clouds](#) (G. Busquet et al)
- 10:20 – 10:40 [Probing the cold dust in the AB Aur disk: a dust trap in a decaying vortex?](#) (A. Fuente et al)
- 10:40 – 11:00 [Radio emission at the substellar regime](#) (J. C. Guirado et al)

**Session 2: Extragalactic astronomy – *Salón de Actos***

**Chairs: Miguel Sánchez-Portal, Antxón Alberdi, Lourdes Verdes-Montenegro**

- 10:00 – 10:10 [The conversion of gas into stars in nearby galaxies](#) (Y. Ascasibar)
- 10:20 – 10:30 [SHARKS - Southern H-ATLAS Regions Ks-band Survey](#) (H. Dannerbauer)
- 10:30 – 10:40 [SFR studies in the nearby Universe with J-PLUS and HI data](#) (R. Logroño-García)
- 10:40 – 10:50 [Galaxies 3D: Sinergy between IFU, IFU-like and SKA](#) (R. García-Benito, R. González Delgado, et al)
- 10:50 – 11:00 Discussion

**Session 3: Cosmology/EoR – *Sala de Juntas Building A***

**Chairs: Carlos Hernández-Monteagudo, Diego Herranz Muñoz**

- 10:00 – 10:15 [The nature of progenitors of merging binary black holes](#) (N. Bellomo)
- 10:15 – 10:30 [Cosmology science with SKA-VLBI](#) (C. García Miro)
- 10:30 – 11:00 [Everything you wanted to know about Cosmology with the SKA](#) (Anna Bonaldi)

11:00 – 11:30 **Coffee break – *Patio IAA***

11:30 – 12:30 **Parallel sessions (cont.)**

**Session 1: Our Galaxy + Planet/Star formation + Our Solar System (cont.) – *Sala de Juntas Building C***

**Chairs: Rainer Schoedel, Guillem Anglada**

- 11:30 – 11:50 [A cometary clast inside CD2 chondrite LaPaz 02342: clues on the primordial outer disk exotic chemistry](#) (J.M. Trigo-Rodríguez)
- 11:50 – 12:10 [Related science with SKA-VLBI](#) (C. García Miró)
- 12:10 – 12:30 Final discussion



**Session 2: Extragalactic astronomy (cont.) – *Salón de Actos***  
**Chairs: Miguel Sánchez-Portal, Antxón Alberdi, Lourdes Verdes-Montenegro**

- 11:30 – 11:40 [Looking for anomalous microwave emission in high redshift galaxies](#) (F. Poidevin et al)
- 11:40 – 11:50 [The nuclear activity and central structure of the elliptical galaxy NGC 5322](#) (B. Dullo et al)
- 11:50 – 12:00 [The LOFAR Two-Metre Sky Survey: the most massive galaxies are always switched on](#) (J. Sabater-Montes et al)
- 12:00 – 12:10 [The ultra-low surface brightness Universe as counterpart to SKA detections](#) (A. Borlaff & J. Román)
- 12:10 – 12:30 Discussion

**Session 3: Cosmology/EoR (cont.) – *Sala de Juntas Building A***  
**Chairs: Carlos Hernández-Monteagudo, Diego Herranz Muñoz**

- 11:30 – 12:30 Discussion

**Plenary Session – *Salón de Actos***

**Chair: Antxón Alberdi**

- 12:30 – 13:30** **Conclusions from the different parallel sessions and from the Workshop**
- 12:30 – 13:00 Summary Session 1, 2, 3
- 13:00 – 13:20 Open discussion
- 13:20 – 12:30 Conclusions Vicent J. Martínez (Coordinator of the RIA, AO – Univ. Valencia)  
Lourdes Verdes-Montenegro (Coordinator of the Spanish participation in SKA, IAA-CSIC)
- 13:30** **End of the Workshop**